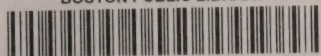


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DOCUMENTS
OF THE
CITY OF BOSTON,
FOR THE YEAR 1897.

IN FOUR VOLUMES.

VOLUME II.
CONTAINING DOCUMENTS FROM No. 17 TO No. 33, INCLUSIVE.

Published by Order of the City Council.



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CONTAINING CITY DOCUMENTS FROM NO. 17 TO 33, INCLUSIVE.

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ANNUAL REPORT
OF THE
LAW DEPARTMENT
FOR THE YEAR 1896.

BOSTON, February 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: The officers in charge of the Law Department respectfully submit the report of the department for the year ending January 31, 1897.

NEW ROOMS FOR THE DEPARTMENT.

The department was compelled to leave the offices on Beacon street in September of last year by the expiration of the lease and the sale of the building in which the offices were situated, and the city was very fortunate in securing at a very reasonable rental the commodious and convenient offices which the department now occupies, Rooms 730 to 741, inclusive, in the Tremont Building, 73 Tremont street.

BUSINESS OF THE DEPARTMENT.

The business of the department has greatly increased from year to year, and especially in the past two years, both in the legislative and department work under the charge of

the Corporation Counsel, and the court work under the charge of the City Solicitor, the demands on the City Solicitor and assistants being especially increased by reason of the increase of the number of sessions of the Superior court.

CASES IN COURT.

The cases in court show an increase of 110 pending at the end of the past year over the number pending at the end of the year 1895, 369 new actions having been brought during the year. In the new cases, those brought for injuries alleged to be sustained by street defects are greatly in excess of all others.

The following table gives the causes for which the cases are pending, the new cases brought during the year, and the cases disposed of during the year, the trustee cases against the city and county not being included. These latter number from two hundred to three hundred every year.

Causes of New Suits.	Pending Feb. 1, 1896.	Brought since Feb. 1, 1896.	Disposed of during year.	Pending Feb. 1, 1897.
Betterments, taxes &c. .	115	10	36	89
Building law violations .	18	38	1	55
Land and other takings	224	60	67	217
Street defects . . .	343	158	89	412
Water pollutions . . .	20	..	..	20
Miscellaneous . . .	79	44	19	104
	799	310	212	897

The names of parties and causes of action in these cases are as follows:

CASES IN WHICH THE CITY IS PLAINTIFF.

Defendants.	Cause of action.
Acton, Town of,	Aid to paupers.
Ayer, Caleb R.,	Asphalt contract.
Badger, Wm. F.,	Building law.
Baker, Timothy D.,	do.
Bent, William H.,	Water pollution.
Berrigan, P.,	For filling land.
Berry, Benj. J.,	Rent, Apple Island.
Boston & Albany R.R.,	Grade crossing.
Same,	do.
Same,	Sidewalk assessment.
Boston & Fitchburg R.R.,	Grade crossing.
Boston & Lowell R.R.,	do.
Boston & Maine R.R.,	do.
Brodie, E. J.,	Violating building law.
Brookline Gas Co.,	Am't of judg't in <i>Crimmins v. City</i> .
Bryant, Ambrose,	Water pollution.
Burks, Chas. W.,	do.
Cambridge, City of,	Aid to paupers.
Same,	do.

Defendants.

Clough, Joseph,
 Cohen, Ida,
 Cohen, Libby,
 Cold Blast Water Still Co.,
 Collins, Michael J.,
 Commonwealth of Mass.,
 Coon, John,
 Cutting, Alexis,
 Daly, Hubert,
 Downing, Catherine E.,
 Downing, Mortimer T.,
 Eames, Henry G.,
 Eastern R.R.,
 Finn, Bernard,
 Same,
 Fitzgerald, James,
 Fleischer, Jacob M.,
 Gilbride, Michael,
 Gilligan, William,
 Gleason, Chas. J.,
 Goldman, Louis,
 Goldstein, Louis,
 Gooch, Wm. W.,
 Grace, James J.,
 Gray, James O.,
 Hammond, Edward P.,
 Harris, Benj.,
 Same,
 Hatch, Sarah C.,
 Hawkins, Sarah,
 Haynes, John C.,
 Henderson, Wm. H.,
 Higgins, R. R.,
 Hoffman, Andrew,
 Humphreys, Horace,
 Hutchings, Lydia E.,
 Jordan, Henry R.,
 King, Margaret,
 Lamb, George,
 Leventhal, Ide,
 Lynch, Edward,
 Mansfield, Geo. F.,
 Marshall, John K.,
 McCormick, Thos.,
 McDevitt, Chas. F.,
 Same,
 McNamara, John,
 Mills, Rebecca,
 Milton, David,
 Milton, May,
 Morse, Leonard,
 Murphy, Ellen,
 Natick Gas Co.,
 New York & N.E. R.R. Co.,
 Same,
 O'Connor, Dan'l C.,
 Odd Fellows Asso. of Stoneham,
 Old Colony R.R. Co.,
 Partridge, Wm. J.,
 Same,
 Perkins, Seth,

Cause of action.

Filling land.
 Violation of building law.
 do.
 Taxes.
 Overcharge on contract.
 Taking for sewer.
 Am't of judg't in *Blessington v. City*.
 Water pollution.
 For aid to paupers.
 Building law.
 do.
 Water pollution.
 Grade crossing.
 Building law.
 do.
 do.
 do.
 do.
 Filling land.
 Aid to paupers.
 Building law.
 do.
 Taxes.
 Building law.
 Water rates.
 Am't of judg't in *Bigelow v. City*.
 Building law.
 do.
 Abating nuisance.
 Water pollution.
 Violating building law.
 Building law.
 do.
 Aid to paupers.
 Violating building law.
 Building law.
 Rent of building.
 Building law.
 Filling land.
 Building law.
 Judgment in *Gill v. City*.
 Building law.
 Water pollution.
 Building law.
 do.
 do.
 Judgment in *Gill v. City*.
 Water pollution.
 Building law.
 do.
 Water pollution.
 Building law.
 Water pollution.
 Grade crossings.
 do.
 Old cans.
 Water pollution.
 Grade crossings.
 Building law.
 do.
 Water rates.

Defendants.	Cause of action.
Peters, Patrick,	Water pollution.
Pinausky, Simon,	Building law.
Pinkoffsky, Solomon,	do.
Same,	do.
Pratt, Edward, Jr.,	Water pollution.
Pratt, Elizabeth,	do.
Reynolds, J. F.,	Removing ashes.
Riley, Patrick,	Building law.
Risley, Chester W.,	Water pollution.
Rogovin, Barnett,	Building law.
Rosen, Max,	do.
Same,	do.
Ruben, Henry,	do.
Same,	do.
Rubinovitz, Jacob,	do.
Romano, Josephine,	do.
Schwartz, Max,	do.
Same,	do.
Same,	do.
Scotland, Ann,	do.
Segal, Louis,	do.
Sewall, Wm. B., Trustee,	Cost of abating nuisance.
Silberstein, Isaac,	Building law.
Silberstein, Israel,	do.
Slakin, Henry A.,	do.
Same,	do.
Same,	do.
Same,	do.
Smith, Thomas,	do.
Stevens, Thomas N.,	Cost of abating nuisance.
Stevenson, James,	do.
Stewart, John E.,	Water pollution.
Thorp, Louis D.,	Building law.
Same,	do.
Same,	do.
Same,	do.
Upton, Town of,	Aid to paupers.
Watchmaker, Isaac,	Building law.
Whitney, Elizabeth M.,	Water pollution.
Winch, Leonard,	do.
Wood, Granby,	do.
Wyatt, Wm. B.	do.

CASES IN WHICH CITY IS DEFENDANT.

Plaintiffs.	Cause of action.
Abbott, Leander B.,	Sewer assessment.
Adami, Conrad,	Grading Washington st.,
Adams, Alfred D.,	Injury in street.
Adams, John Q. v. B'd of Health,	For leave to use tenement.
Adsit, Willard J.,	Injury in street.
Alger, Izette M.,	Grading W. Fourth street.
Same,	do.
Same,	do.
Allen, Chas. C., Adm'r.,	Injury by runaway horse.
Allen, Horace G.,	Balance on contract.
Allen, May L.,	Taking land for water supply.
Allen, Matilda C.,	Stony brook.
Allen, Wm. F.,	Infringement of patent.
Ames, Oliver, 2d,	Essex-street betterment.
Same,	Harrison-avenue betterment.

Plaintiffs.	Cause of action.
Oliver Ames, 2d,	Harrison-avenue betterment.
Andreoli, Valentine,	Injury in street.
Annis, Wm.,	Injury by electric wire.
Armour Packing Co.,	Widening Clinton street.
Arnold, Frank S.,	Injury in street.
Aronson, Simon,	do.
Atty.-Gen. v. Proprietors Rowe's wharf,	Nuisance.
Bacon, Eben,	Park betterment.
Bacon, Robert,	do.
Baker, David S., Jr.,	Extending Boylston street.
Baker, Izetta A.,	Widening Blue Hill avenue.
Baker, Jonathan W.,	Pay as policeman.
Baker, Wm. J.,	Injury in street.
Balch, Francis V.,	W. R. Park betterment.
Same,	do.
Ballanee, Clayton,	Injury in street.
Barclay, Jeanie, Adm'x,	do.
Barrus, Geo. H.,	Mechanic's lien.
Barton, Mary E.,	Injury in street.
Bassett, Mary,	do.
Beale, Jos. H.,	Laying out Tuttle avenue.
Beals, Chas. W.,	Injury in street.
Bendell, Eliza,	do.
Berger, Mary,	do.
Bernard, Henry O.,	Water-supply taking.
Bettincurt, Maria M.,	Injury in street.
Beyer, Alice,	do.
Bigelow, Cora E.,	do.
Blaser, Alice,	Stony brook.
Blaser, Arnold,	do.
Same,	do.
Blaser, Louisa,	do.
Blume, Andreas,	Parkway betterment.
Bond, Charlotte J.,	Harrison-avenue betterment.
Boston Belting Co.,	Taking Stony-brook water.
Same,	Widening Tremont street.
Boston & Albany R.R.,	Grade crossing.
Boston & Providence R.R.,	Park betterment.
Same,	Park-taking.
Same,	Sewer-taking.
Same,	Extending Columbus avenue.
Bowditch, Alfred,	To vacate sewer assessment.
Bowditch, Chas. P.,	Extending Huntington avenue.
Bowditch, Henry P.,	To vacate sewer assessment.
Bowes, Mary J.,	Injury in street.
Boyd & Corey, Boot & Sh. M'g Co.,	Water-supply taking.
Bradlee, John W.,	Widening Blue Hill avenue.
Bradley, Ira,	Damage by water.
Bragg, Grace E.,	Injury in street.
Bragg Manufacturing Co.,	Infringement of patent.
Bredemeyer, Amanda,	Injury in street.
Breen, Elizabeth,	do.
Brewer, Edward M.,	Park betterment.
Same,	do.
Brickhill, Wm. A.,	Infringement of patent.
Brock, S. v. Street Commissioners,	To vacate widening Brighton avenue.
Brogan, Mary,	Injury in street.
Bromade, Jane A.,	do.
Brooks, Eliza C.,	Extending Boylston street.
Brooks, James I.,	To vacate park taking.
Brown, Benj. F.,	Widening Clinton street.

Plaintiffs.	Cause of action.
Brown, Ebenezer,	Park betterment.
Brown, Edwin K.,	Injury in street.
Brown, Geo. A.,	Injury, North Ferry.
Browne, James F.,	Widening Clinton street.
Browne, Wm. A.,	do.
Same,	do.
Same,	do.
Brummett, Alfred O.,	Injury in street.
Bryer, Susan C.,	Extension Columbus avenue.
Buffum, Chas. T.,	Injury in street.
Burke, Mary A.,	do.
Burnett, Harry,	Water-supply taking.
Same,	do.
Same,	do.
Burnett, Josephine,	Water-supply taking.
Burnett, Joseph,	do.
Burnett, Robert M.,	do.
Burrage, Chas. H.,	Laying out Batavia street.
Busiel, James,	Injury in street.
Byrnes, Margaret M.,	do.
Cain, Florence M.,	Sewer taking.
Cain, Thomas,	Park betterment.
Callahan, Mary A.,	Injury in street.
Campbell, Catherine,	do.
Carle, George,	do.
Carroll, Ellen,	do.
Carroll, Ellen,	do.
Casey, Ann,	do.
Cassidy, James,	Nuisance by sewer.
Cassidy, John E.,	Taking land.
Castiglioni, Rose,	Injury in street.
Cavanagh, William,	do.
Caveagnini, Candida,	do.
Chamberlain, Calvin A.,	Water-supply taking.
Chapman, Jane,	Injury in street.
Chelsea, City of,	Grade crossing.
Childs, Horace R.,	Injury in street.
Choate, Charles F.,	Water-supply taking.
Churchill, John C.,	Injury in street.
Churchill, Joseph R.,	Sewer-taking.
Clafin, Charles L.,	Water-supply taking.
Clafin, Luther E.,	do.
Clapp, Mary A.,	Injury in street.
Clark, Barnabas,	Balance on dam at Ashland.
Clark, Charles T.,	Injury in street.
Clark, Etta,	do.
Clark, Louis S.,	do.
Clark, Mary A.,	do.
Clark, Mary A.,	Park betterment.
- Same v. Park Commissioners,	do.
Clemmons, Benj. H.,	Water-supply taking.
Clough, George A.,	Architect's commissions.
Cocke, Zitella,	Injury in street.
Cole, Oliver,	Drowning of boy, Castle Island.
Collins, Lydia,	Water-supply taking.
Collins, Michael J.,	Balance on contract.
Same,	do.
Same,	do.
Commonwealth of Massachusetts,	Aid to paupers.
Conley, Catherine,	Injury in street.

Plaintiffs.	Cause of action.
Connolly, Ann T.,	Nuisance by sewer.
Connolly, Bartholomew J.,	do.
Connolly, Timothy,	do.
Connor, Julia,	Injury in street.
Connors, Bridget,	do.
Conroy, Daniel,	do.
Cook, Florian,	Grading Prentiss street.
Cook, Levina,	Injury in street.
Cook, William P.,	Assault on ferry-boat.
Copp, Mary,	Injury in street.
Corbett, Edward,	do.
Corbett, Mary F.,	Grading Gold street.
Cordaville Woolen Mills,	Water-supply taking.
Same,	do.
Corkery, Maria,	Injury in street.
Cote, Louis P.,	Injury by runaway horse.
Cotting, Charles U.,	Grading West Fourth street.
Same,	Widening Huntington avenue.
Courteney, David J.,	Pay as policeman.
Cox, Emily D.,	Widening Blue Hill avenue.
Cox, Hannah,	do.
Coxeter, Abby M. S.,	Injury in street.
Cram, Mary J.,	do.
Crapo, William W.,	Taxes.
Crocker, Geo. U.,	Extending Huntington avenue.
Cronin, John,	Injury in street.
Cunniff, Michael M.,	Damage by water-pipe.
Same,	do.
Same,	Filling dock.
Curran John,	Injury on Cragie's bridge.
Curry, Julia,	Grading Gold street.
Dacey, Bartholomew,	Injury in street.
Dahl, Katherine,	Extending Columbus avenue.
Daly, Patrick J.,	Harrison-avenue betterment.
Same,	do.
Same,	do.
D'Amico, Antonio,	Injury at Basin 5.
D'Amico, Congita,	do.
D'Amico, Pasquale,	do.
Dana, Chas. B.,	Grading Brookline avenue.
Same,	do.
Dantes, Bridget,	Injury in street.
Davis, Lillian E.,	Park betterment.
Day, James M.,	Pay as policeman.
Day, John W.,	Extending Columbus avenue.
Day, Sam'l R.,	Water-supply taking.
Dealey, Eugene,	Injury in street.
Decker, Fred,	do.
Demmon, Dan'l L.,	Betterment, Harrison avenue.
Same,	do.
Same,	do.
Same,	do.
Same,	do.
Same,	do.
Demmon, Reuben E.,	do.
Dennison, Joanna,	Injury in street.
Denny, Henry A.,	Grading W. Fourth street.
Desmond, Catherine,	Injury in street.
Devine, John,	Park betterment.
Devine, James H.,	Grading W. Fourth street.
Devine, Margaret,	do.

Plaintiffs.

Devine, Mary,
 Devine, Sarah J.,
 De Wire, Wm.,
 De Witt, Margaret,
 Dexter, Wm. S.,
 Dickerman, Diana,
 Ditson, Chas. H.,
 Same,
 Dix, Angeline H.,
 Dodge, Franklin,
 Dolan, Mich'l,
 Donoghue, Ellen,
 Donovan, Bridget L.,
 Donovan, Michael J.,
 Dougherty, Nora,
 Dowd, Bridget,
 Drake, Herman,
 Drinan, Ellen,
 Driscoll, Bridget,
 Driscoll, Catherine,
 Driscoll, Wm. J.
 Drislane, Margaret,
 Drummond, Catherine,
 Duckworth, Wm. H.,
 Drury, Geo. A.,
 Duffy, Lillian,
 Duffy, Robert,
 Dupee, Octavia G.,
 Dustin, Elizabeth C.,
 Dwight Printing Co.,
 Edgerly, Charles T.,
 Egan, Patrick,
 Ellis, Esther B.,
 Emery, Thomas J.,
 Engel, Joseph,
 Estes, Frank W.,
 Evans, Brice S.,
 Fairbanks, Benjamin N.,
 Fairbanks, Chas. A.,
 Fallon, Mary,
 Farrell, Joseph,
 Farrington, Almira,
 Farwell, Luther,
 Fay, Delia A.,
 Fay, Elizabeth S.,
 Fellows, Deborah F.,
 Fernald Chas. F.,
 Field, Ellen,
 Finneran, Catherine,
 Fisher, Elizabeth,
 Fisher, Geo. C.,
 Fitch, John B.,
 Fitzgerald, Elizabeth J.,
 Flagg, Elizabeth A.,
 Flaherty, Honorah,
 Flynn, Kate,
 Flynn, Maria,
 Foley, Mary J.,
 Framingham Water Co.,
 Francis, Amelia,
 Francis, Margaret,

Cause of action.

Grading West Fourth street.
 Injury in street.
 do.
 Injury at ferry.
 Extension Columbus avenue.
 Water-supply taking.
 Taxes.
 do.
 Water-supply taking.
 do.
 Injury in street.
 do.
 do.
 Work on schoolhouse.
 Injury in street.
 do.
 do.
 do.
 do.
 Collision with ferry-boat.
 Injury in street.
 do.
 do.
 do.
 Injury at Castle Island.
 Park betterment.
 Injury in street.
 Water-supply taking.
 Widening Essex street.
 Injury in trench.
 Injury in street.
 Park betterment.
 Extending Columbus avenue.
 Pay as policeman.
 Extending Columbus avenue.
 Water-supply taking.
 do.
 Injury in street.
 Injury by pump handle.
 Widening Everett street.
 Extension Columbus avenue.
 Injury in trench.
 Water-supply taking.
 Injury in street.
 Pay as policeman.
 Injury in street.
 do.
 Widening Blue Hill avenue.
 Water-supply taking.
 do.
 Injury in street.
 do.
 Injury at Castle Island.
 Injury in street.
 Injury in sewer.
 Injury in street.
 Water-supply taking.
 Injury in street.
 do.

Plaintiffs.	Cause of action.
Franklin, Albert B.,	Balance on contract.
Franz, Charles,	Injury in street.
Freeman, Michael, Jr.,	Damage to house by dirt, etc.
Same,	Extension Columbus avenue.
Frost, Albert P.,	Harrison-avenue betterment.
Gallagher, Ann,	Injury in street.
Gallagher, Owen,	Injury to wife.
Gallant, Tranquille,	Injury in street.
Gannon, Delia,	do.
Gannon, Mary E.,	do.
Gaston, Louisa B.,	Harrison-avenue betterment.
Same,	Extending Columbus avenue.
Gavagan, David A.,	Injury in street.
Geiger, Albert,	Restrictions on land.
Gibbs, Emery B., Trustee,	Amount due Keyes & Gennaro.
Gibbs, John,	Water-supply taking.
Same,	do.
Gill, Mary S.,	Park betterment, West Roxbury.
Ginn, Sarah L.,	Grade crossing, Old Colony.
Gleason, Catherine,	Injury in street.
Gleason, Catherine M.,	do.
Gleason, Cornelius,	Injury to wife.
Goff, James M.,	Injury on Warren bridge.
Golden, Rose,	Injury in street.
Goldman, Johannah H.,	do.
Goldman, Louis L.,	do.
Goodale, Alonzo E.,	do.
Goodnow, Chas. L.,	Betterment, Harrison avenue.
Gorham, John L.,	Park betterment, West Roxbury.
Gould, Herbert,	Injury in street.
Gourham, Barbara,	do.
Gove, Olive L.,	do.
Grammar school in Roxbury,	Extending Columbus avenue.
Granato, Antonio,	Injury at basin 5.
Grace, James J.,	Harrison-avenue betterment.
Grant, George,	Park-taking, South Boston.
Green, John A.,	Work on hospital.
Green, Percy,	Injury in street.
Greenhood, Lillia L.,	Widening Huntington avenue.
Griffin, Mary L.,	Injury in street.
Hagerty, Patrick,	Nuisance by sewer.
Haley, Ellen,	Injury in street.
Haley, Wm. v. Ferry-boat Hancock,	Collision.
Hall, Dexter A.,	Park-taking.
Hall, Ellen F.,	Injury in street.
Hallett, Sarah A.,	do.
Hamlin, Charles S.,	Harrison-avenue betterment.
Same,	do.
Hammett, Fred'k W.,	Extending Columbus avenue.
Haney, Margaret,	Injury in street.
Hankins, Malvina,	Grade crossing, Old Colony.
Hanley, Ellen,	Nuisance by sewer.
Hannon, Michael,	Injury in street.
Hardy, Alpheus H.,	Grading Blue Hill avenue.
Harris, Moses,	Injury in street.
Hartley, Ella M.,	do.
Harvard Musical Association,	Taxes.
Hastings, Delia,	Injury in street.
Hayden, Francis W.,	Water-supply taking.
Hayden, John E.,	Widening Blue Hill avenue.
Same,	Grading Gold street.

Plaintiffs.	Cause of action.
Hayes, John,	Injury in street.
Heald, Fanny G.,	To vacate sewer assessment.
Healy, James,	Obstructing access to stable.
Heath, Esther A.,	Injury in street.
Heffron, Mary C.,	do.
Hemping, Bridget,	do.
Hendrie, Joseph A.,	Trespass, sewer.
Henley, Timothy,	Water-supply taking.
Hennessy, Ellen G.,	Injury in street.
Hennessy, Mary,	do.
Higgins, Addie A.,	Park betterment.
Higgins, Orinda S.,	Injury in street.
Higgins-Glenerne, Lida L.,	do.
Hill, Edwin N.,	Services for water board.
Hill, James F.,	Injury in street.
Hilton, Helen,	do.
Hirsch, Frederic,	do.
Hirsch, Mary,	do.
Hobbs, John S., Assignee,	Stony brook.
Hodges, Edward C.,	Sewer-taking.
Hoenemann, Carl,	Damage by blast.
Hogan, Mary,	Injury in street.
Holland, John,	Injury to wife.
Holland, Maria,	Injury in street.
Hollander, Mrs. Meyer,	do.
Holleran, Mary A.,	Nuisance by sewer.
Homan, Ellen,	Injury in street.
Homans, John,	Betterment, Harrison avenue.
Same,	do.
Home for Aged Couples,	Extending Columbus avenue.
Hopkins, Isabella,	Injury in street.
Horgan, Daniel,	Grading Dover street.
Howe, Israel G.,	Water-supply taking.
Howe, Mary,	do.
Howe, Louis L.,	Injury in street.
Hunnewell, H. Hollis,	Betterment, Harrison avenue.
Same,	do.
Hunt, Ellen L.,	Trespass.
Hunt, Mary L.,	Grading, Cambridge street.
Hurley, Hannah T.,	Injury in street.
Hurley, William,	Harrison-avenue betterment.
Hurmans, Lawrence J.,	Injury in street.
Jackson, Susan A.,	do.
Jaquith, Edwin,	Damage to horse.
Jenkins, Bessie,	Injury in street.
Jenkins, Edward J.,	do.
Jewett, Lillian C.,	do.
Johnson, Charles L.,	Water-supply taking.
Johnson, Ellen,	Injury in street.
Johnson, Florinda A.,	Park betterment.
Johnson, Frank L.,	Injury in street.
Johnson, Fred,	do.
Johnson, Henrietta M.,	Water-supply taking.
Johnson, Josephine E.,	do.
Johnson, Lucy L.,	Injury in street.
Johnson, William A.,	Extending Columbus avenue.
Jones, Mary A.,	Injury in street.
Jones, Woodman,	Widening Blue Hill avenue.
Jordan, Horace W.,	Laying-out Talbot avenue.
Same,	Park-taking.
Joy, John D. W.,	Betterment, Harrison avenue.

Plaintiffs.	Cause of action.
Joyce, Maria A.,	Injury in street.
Kaler, Ida M.,	Water-supply taking.
Kamp, Mary,	Injury in street.
Kean, Thomas,	Taxes.
Keefe, Lizzie,	Injury in street.
Keefe, Martha H.,	do.
Keefe, Wm. H.,	Killing horse, electric wire.
Keenan, John,	Balance on contract.
Keith, Havelock,	Damage to horse.
Kelley, Ann,	Nuisance by sewer.
Kelley, Timothy,	Injury in street.
Kelly, Charles,	do.
Kelly, Margaret,	Nuisance by drain.
Kennard, Margaret,	Injury in street.
Kenneally, Margaret,	do.
Kennedy, John T.,	do.
Kenney, Catherine,	do.
Kenney, James W.,	Extending Columbus avenue.
Same,	Grading Lamartine street.
Kerrigan, Ellen,	Injury in street.
Kiley, Mary,	do.
Killen, Daniel,	do.
Kilroy, Michael,	do.
Kilrow, Catherine,	do.
Kingman, Hosea (Commissioners),	Metropolitan sewer award.
Same,	Neponset valley sewer, expense of.
Kinney, Caroline S.,	Injury in street.
Klause, Andrew F.,	do.
Knapp, Mary A.,	do.
Knight, Maria A.,	Grading West Fourth street.
Ladrer, Lottie,	Injury in street.
Lally, Catherine,	do.
Lally, James,	Water-supply taking.
Lamson Cons. S.S. Company,	Taxes.
Same,	do.
Same,	do.
Lancaster, Charles B.,	Grading Cambridge street.
Landrey, Catherine,	Injury in street.
Lane, Michael,	do.
Lang, Ellen A.,	Grading, Parker street.
Lang, Sarah F., Guardian,	Injury in street.
Lannon, Elizabeth,	Damage by blast.
Lapworth, Edward W.,	Injury in street.
Lavey, Elizabeth A.,	do.
Lavis, Charles,	Injury by city horse.
Lawrence, Amory A.,	Widening Essex street.
Same,	Betterment, Essex street.
Leach, Clara C. Austin,	Injury in street.
Leahy, Margaret,	do.
Leahy, William P., Adm'r.,	do.
Leary, Ellen T.,	Betterment.
Lee, Mary F.,	Injury in street.
Legg, John H.,	do.
Lennon, Mary E.,	do.
Leonder, Marx,	do.
Lewis, Marion H.,	do.
Lincoln, Charles S.,	Taking land for waterpipe.
Lincoln, Wm. H.,	Extending Boylston street.
Little, Alexander R.,	Damage by water.
Littlefield, Elisha,	Balance on Contract.
Living, Mary F.,	Park betterment.

Plaintiffs.	Cause of action.
Locke, Geo. B.,	Injury in street.
Lonergan, Pierce F.,	Balance on contract.
Long, Margaret J.,	Injury in street.
Long, Thomas,	do.
Loud, Geo. H.,	do.
Low, Louisa R.,	do.
Low, Wm. A.,	Park betterment.
Lowe, Chas. H.,	Extending Columbus avenue.
Luce, Bartlett,	School-lot taking.
Lundy, Mary E.,	Injury in street.
Lynch, Michael J.,	Injury at ferry.
Lynn, Harry I.,	Injury in street.
Lyons, Bridget,	do.
Lyons, Edward,	Park betterment.
Macdonald, R. Cyrene,	Injury in street.
Mack, John,	Work on Court-house
MacLean, Margaret J.,	Injury in street.
Maguire, Francis,	do.
Mahoney, Annie,	do.
Mahoney, Catherine E.,	do.
Mahoney, Daniel F.,	Water-supply taking.
Mahoney, Ellen,	Injury in street.
Malcolm, Geo. F.,	Pay as policeman.
Maley, Catherine,	Injury in street.
Maloney, Delia J.,	do.
Maloy, Walter,	do.
Mance, Annie E.,	do.
Mandell, Chas. M.,	do.
Mann, Mary A.,	Laying out Greenbriar street.
Manning, Kate,	Injury in street.
Manning, Rose A.,	do.
Mannix, Ellen M.,	Laying out Greenbriar street
Manson, Nathaniel S.,	Park betterment.
Marchbank, David,	Injury in street.
Marcy, Henry O.,	Grading Everett street.
Marr, Kate L.,	Injury in street.
Marshall, Joseph I.,	Water-supply taking.
Martin, James,	Injury by stone-crusher.
Mason, Sarah P.,	Injury in street.
Mason, Wm. P.,	Extending Columbus avenue.
Maynard, Gertrude M.,	To vacate widening of Brighton ave.
McBride, Neil,	Excavating stone.
McCarthy, Catherine,	Injury in street.
McCauphy, John, v. Colter, John,	Assault.
McClutchy, Robert J.,	Injury in street.
McCormack, Loughlin,	do.
McCue, Thomas,	do.
McDermott, John J.,	do.
McDermott, Matthew,	do.
McDonald, Catherine E.,	do.
McDonald, David, Adm'r,	Injury in sewer.
McDonald, Hannah E.,	Extending Columbus avenue.
McDonald, James,	Mechanic's lien.
McDonald, James W., exec.,	Water-supply taking.
Same,	do.
Same,	do.
McDonald, Martin,	Injury in street.
McDonald, Mary,	do.
McDowell, Margaret M.,	Drowning at Castle Island.
McElligott, Hannah,	Injury in street.
McElroy, Isabella,	do.

Cause of action.

McFlynn, James,	Grading Lake street.
McGann, Daniel,	Damage to building.
McGee, Thomas,	Injury in subway.
McGillen, Francis,	Sewer-taking, Caledonia st.
Same,	Widening Francis and Caledonia sts.
McGilligan, Margaret,	Injury in street.
McGowan, Mary,	Injury by blast.
McGuire, Martha,	Injury in street.
McGurn, Maggie F.,	Injury at hospital.
McHugh, Nellie,	Injury in street.
McKenna, Mary, v. Hospit'l trustees,	Injury at hospital.
McKenna, Timothy F.,	Injury by blast.
McLaughlin, Elizabeth,	Injury in street.
McLauthlin, George T.,	Park betterment.
McMahon, Ellen,	Grading Dorchester avenue.
McNeil, Neil,	Balance on contract.
McNulty, Edward P.,	Grade crossing.
McNulty, Michael,	Grade crossing, Old Colony.
Meehan, Martin,	Injury in street.
Mercantile Wharf Co.,	Nuisance by drain.
Merrick, Mary F.,	Injury in street.
Merrick, Timothy,	Injury to wife.
Merten, Rosa,	Extending Columbus avenue.
Metcalf, Alvah,	Water-supply taking.
Miles, Nancy J.,	Injury in street.
Miller, Wm. F.,	do.
Milmore, Eliza,	do.
Milne, Nellie A.,	do.
Minot, Wm.,	Park betterment.
Same,	Extending Audubon road.
Same,	Sewer-taking.
Same,	do.
Miskell, Thos.,	Park betterment.
Mitchell, Annie E.,	Injury in street.
Mixer, Geo. W.,	Widening Everett st.
Moakley, Margaret,	Injury in street.
Mohilly, Maggie,	do.
Monahan, Ann,	Extending Columbus avenue.
Moore, Eliza A.,	Laying out Falmouth st.
Same,	Sewer-taking, Caledonia st.
Moore, Ira L.,	Laying out Batavia st.
Moran, Mary,	Injury in street.
Morison, Frank,	Grading W. Fourth street.
Moriton, Martha,	Injury in street.
Morrisey, Johannah,	do.
Morrison, Mary W.,	do.
Morrow, Mary A.,	do.
Morss, Chas. A.,	Mechanic's lien.
Moynihan, Dennis,	Injury in street.
Mulhern, John,	do.
Mullin, John,	do.
Mullins, Katie,	do.
Mulvey, Matthew, J.,	do.
Murch, Annie B.,	do.
Murdock, Albert S.,	Damage, building sewer.
Murphy, Annie,	Injury in street.
Murphy, Catherine,	Damage by blast.
Murphy, Cornelius,	do.
Murphy, John,	do.
Murphy, Hannah E.,	Injury in street.
Murphy, Morris,	do.

Plaintiffs.	Cause of action.
Murrien, Elizabeth,	Injury in street.
Murray, Eben,	Park betterment.
Nally, Elizabeth,	Injury in street.
National Construction Co.,	Delaying work on Stony-brook.
Nay, Mary J.,	Injury in street.
Neas, John H.,	do.
Nee, Michael,	do.
Nevins, David,	Betterment, Harrison avenue.
New England Theosophic Corp.,	Taxes.
Same,	do.
Newhall, Frances S. W.,	Sewer-taking.
Newhall, Horatio,	Water-supply taking.
Same,	do.
Newman, Adelaide B.,	Injury in street.
Newman, Harry,	do.
Nichols, Dr. Clinton,	Water-supply taking.
Nickerson, Eugenia,	Extending Boylston street.
Nicodemo, Biozzo,	Injury at Basin 5.
Nolan, Delia,	Injury in street.
Nowland, Kate,	do.
Nute, Lillian A.,	Injury at ferry.
Obuchon, Albert J.,	Injury in street.
O'Brien, Anna,	do.
O'Brien, Elizabeth,	do.
O'Brien, Ellen,	do.
O'Brien, Mary,	do.
Same, Adm'x,	do.
O'Brien, Thos.,	do.
Ockershauser, Frederic,	do.
O'Connell, Cornelius,	do.
O'Connell, Dennis F.,	Work on trench.
O'Connor, Annie,	Injury at ferry.
O'Connor, Mary,	Injury in street.
O'Connor, John,	Injury to wife.
O'Connor, Thos.,	Injury to daughter.
Oelschlager, Aubon,	Extending Columbus avenue.
O'Hara, James,	Injury in sewer.
O'Hara, Mary,	Injury in street.
O'Laughlin, Bartholomew,	do.
Old Colony R.R.,	Grade crossing, Tremont street.
Same,	do. West Fourth street.
Same,	do. Codman street.
O'Leary, Annie,	Injury in street.
O'Neal, Con. z. Den. O'Connell,	Injury in sewer.
O'Neil, Wm. H.,	Injury in street.
Orcutt, Martha A.,	do.
Orcutt, Mary E.,	do.
O'Riley, Catherine,	do.
O'Rourke, Patrick,	do.
Orr, William,	do.
O'Sullivan, Johanna,	do.
Owens, Dan'l,	do.
Parker, Margaret M.,	do.
Payson, Perley J.,	Injury to home in street.
Paxon, Edward M., Receiver,	Grading Chelsea bridge.
Pepper, James,	Injury in street.
Percy, Chas. W.,	do.
Perkins, Benj. C.,	Use of land.
Same,	do.
Perkins, Osborne F.,	Pay as policeman.
Perry, Francis A., Ex'r,	Balance on contract.

Plaintiffs.	Cause of action.
Perry, Lewis F.,	Mechanic's lien.
Peters, Andrew J.,	Park betterment, West Roxbury.
Same,	Grade crossing, Old Colony R.R.
Peterson, Christiania L.,	Injury in street.
Pfister, Hannah M.,	do.
Pierce, Emma F.,	Water-supply taking.
Powers, Catherine,	Injury in street.
Powers, Cornelius H.,	Account for labor.
Powers, James,	do.
Pray, John A.,	Betterment, Harrison avenue.
Preble, Myrick,	Injury in street.
Same v. Dr. F. S. Watson,	Maltreatment at hospital.
Prentiss, Benjamin F.,	Water-supply taking.
Price, James A.,	Work as Engineer.
Profit, Elthia,	Injury in street.
Quigley, Mary J.,	do.
Rand, Arnold A.,	Betterment, Essex street.
Same,	do.
Same,	Betterment, Harrison avenue.
Same,	do.
Ranney, Edward D.,	Injury in street.
Reid, Catherine M.,	do.
Reilly, Annie E.,	do.
Reisert, Anna M.,	Flood in premises.
Rice, Elbridge G.,	Water-supply taking.
Rice, Esther,	Injury in street.
Rice, Henry,	Water-supply taking.
Rice, Mary A.,	do.
Rice, Selina N.,	do.
Richardson, Mary E.,	Laying out Bailey street.
Ricker, Ansel T.,	Injury in street.
Ripley, George,	Park betterment.
Same,	do.
Roakes, Catherine,	Injury in street.
Robinson, Herbert A.,	Damage by blasting.
Robinson, J. Henry,	Water-supply taking.
Rogers, Abraham T.,	Widening Huntington avenue.
Ropes, John C.,	Subway taking.
Rosenthal, Annie,	Injury in street.
Rotch, Abbot L.,	Widening Clinton street.
Rowe, Joanna,	Injury in street.
Roxbury Stone Company,	Tools, machinery, etc.
Royal, Annie,	Injury in street.
Rudwick, Joseph,	Creditors bill for land damages.
Rushton, Harry,	Injury in street.
Russell, Thos. H.,	Discontinuing Congress square.
Ryan, Cornelius,	Injury to wife.
Ryan, Maria,	Injury in street.
Ryan, Mary,	do.
Safford, Nathl. G.,	Sewer-taking.
Sanford, Helen G. H.,	Injury in street.
Sanford, Martha P.,	Widening Blue Hill avenue.
Sargent, Horace B.,	Extending Columbus avenue.
Sargent, Thos. W.,	Pay as policeman.
Saunders, Mary Ann,	Injury in street.
Sawin, Chas. B.,	Water-supply taking.
Sawyer, Saml. E.,	Park-taking, West Roxbury.
Scollins, Margaret,	Injury in street.
Scott, Jennie C.,	do.
Sully, John T.,	Injury to horse.
Seaman, Harry, v. Dr. H. L. Burrill,	Malpractice.

Plaintiffs.	Cause of action.
Sears, Fred R.,	Essex-street betterment.
Seaver, Edward,	Extending Columbus avenue.
Seaver, Eliza,	do.
Security Safe Dep. Co.,	Nuisance by drain.
Sewall & Day Cordage Co.,	Sewer-taking.
Seymour, Mary F.,	Injury in street.
Shattuck, John M.,	do.
Shaw, Adna B.,	Chair for public library.
Shaw, Edward P.,	Treas. v. Aid to paupers.
Shaw, Hannah,	Injury in street.
Shea, Geo. J.,	do.
Shearan, Patrick J.,	Damage by blast.
Sheehan, Annie A.,	Injury in public garden.
Sheehan, Honora,	Injury in street.
Sheehan, Mary,	do.
Shields, Annie,	Extending Columbus avenue.
Shields, Patrick F.,	Extending Columbus avenue.
Shock, Maria K.,	Injury in street.
Shorely, Albert E.,	do.
Shuman, Samuel,	Extending Columbus avenue.
Simes, Charlotte,	Water-supply taking.
Skinner, Mary E.,	Injury in street.
Sliney, Maria,	do.
Smith, James J.,	do.
Smith, John J.,	Betterment, Harrison avenue.
Smith, Joseph A.,	Widening Harrison avenue.
Soley, John,	Moving building.
Sondheim, Joseph,	Extending Columbus avenue.
Spaulding, Ann M.,	Park betterment.
Spillane, Jere C.,	Widening Blue Hill avenue.
Stackpole, Aaron, Jr.,	Infringement of patent.
Stanchfield, Adelia,	Flooding premises.
Stanley, Geo. C.,	Injury in street.
Stanley, James C.,	do.
Stanley, Mary A.,	do.
St. Clair, Edwin L.,	do.
Stevenson, James,	Extending Boylston street.
Stevenson, J. Henry,	Balance on brick contract.
Stock, Arthur H. v. Geo. F. Jelly, et al.,	False imprisonment.
Stokes, Catherine,	Injury at ferry.
Stone, Julius,	Injury by city team.
Stoughton, Town of,	Aid to paupers.
Stroud, Fannie,	Injury in street.
Studley, John W.,	do.
Stultz, John V. N.,	
Sturtevant, Thos. L.,	Harrison avenue betterment.
Same,	do.
Sullivan, Ellen,	Injury in street.
Sullivan, Florence,	do.
Sullivan, James,	do.
Sullivan, John J.,	do.
Sullivan, Mary Ann,	do.
Sweet, Wm. A.,	Taking Church-st. district.
Taber, Fred J.,	Widening Blue Hill avenue.
Tait, Edith M.,	Injury in street.
Tarpey, Mary,	do.
Taverner, Thomas,	Widening Blue Hill avenue.
Taylor, Adella C.,	Injury in street.
Taylor, Clara,	do.
Taylor, Horace B.,	Betterment, Harrison avenue.
Same,	do.

Plaintiffs.	Cause of action.
Temple, James M.,	Water-supply taking.
Same,	do.
Tennahan, Bridget L.,	For assigned wages.
Thayer, Elisha,	Damage to Dock.
Thayer, Wm. H.,	Widening Blue Hill avenue.
Thomas, Owen J.,	Injury in street.
Thompson, Albert H.,	Water-supply taking.
Thompson, Annie E.,	Injury in street.
Thompson, Louisa A.,	Water-supply taking.
Thompson, Waldo V.,	do.
Thornton, Margaret,	Injury in street.
Tinglof, August,	Taking land.
Tirrell, John E.,	Injury to horse.
Tobey, Wm. Hugh,	Injury on bridge.
Tompson, Ruth H.,	Extending Ruggles st.
Torrey, Wm. M.,	Damage to team by collision.
Tracy, Patrick,	Injury in street.
Troy, Catherine,	do.
Tufts College, Trustees of,	Investment of trust funds.
Tuttle, Martha,	Park betterment.
Tuttle, Mary,	Injury in street.
Tuttle, Thos. W.,	Park betterment.
Udovin, Joseph,	Injury in street.
Ufford, Mary E.,	Widening Blue Hill avenue.
Van Nostrand, Wm. T.,	Park-taking.
Verne, Bernard P.,	Taxes.
Wadleigh, Thomas P.,	Widening Blue Hill avenue.
Ward, Ellen M.,	Water-supply taking.
Ward, Robert T.,	Injury in street.
Ware, Chas. F.,	do.
Warnell, Hilda H.,	Taking land.
Washburn, Mary A., Adm'x,	Drowning at Castle Island.
Weatherspoon, Nannie,	Injury in street.
Webb, Ella F.,	do.
Weed, Otis H.,	To vacate sewer assessment.
Weinberg, Wm.,	Nuisance by sewer.
Welch, Edward J.,	Injury in street.
West End Street Railway Co.,	Extending Columbus avenue.
Same,	do.
Same,	do.
Same,	Widening Washington street.
Westfield, Town of,	Aid to paupers.
Whalen, Hannah L.,	Injury in street.
Whidden, Renton,	Balance on contract.
White, George R.,	Subway taking.
White, James F.,	Injury in street.
Whitlock, James N.,	do.
Whitman, Edmund A.,	Extending Boylston street.
Whittemore, Maria M.,	Laying out Montview street.
Widger, J. Henry,	Injury in street.
Wiggin, Clara E.,	do.
Wilkins, Walter L.,	Injury in street to team.
Williams, Carrie L.,	Water-supply taking.
Same,	do.
Wilson, Geo. A.,	Injury in street.
Wilson, William J.,	Essex-street betterment.
Winchester, William L.,	Water-supply taking.
Wing, Charles H.,	Park betterment.
Wittekind, Emma,	Injury in street.
Wittekind, Louisa,	do.
Wolcott, Anna F.,	Injury in street.

Plaintiffs.	Cause of action.
Wood, Alice C. S.,	Injury in street.
Woodall, Mary,	Injury by blast.
Woodbury, Chas. H.,	Injury in street.
Woodbury, William P.,	Water-supply taking.
Woods, Francis,	Damage by blast.
Woodward, Marion L.,	Sewer-taking.
Wyman, Henry A., Receiver,	Widening Essex street.
Zeigler, Alfred,	Extending Columbus avenue.
Zirnth, Bertha,	Injury in street.

PROPERTY OF THE DEPARTMENT.

The property of the department has been increased during the year by the addition of about thirty volumes of law reports and text books.

OFFICERS OF THE DEPARTMENT.

In February, 1896, Mr. John T. Wheelright was appointed an assistant counsel in this department and the officers of the department consist of:

Andrew J. Bailey, *Corporation Counsel*.
 Thomas M. Babson, *City Solicitor*.
 John T. Wheelright, *Assistant Counsel*.
 Frederic E. Hurd, *Assistant Solicitor*.
 Samuel H. Hudson, *Assistant Solicitor*.
 Samuel M. Child, *Assistant Solicitor*.
 Charles Frank Day, *City Conveyancer*.
 Roscoe P. Owen, *City Conveyancer*.
 Fisher Ames, *Clerk*.

Respectfully submitted,

ANDREW J. BAILEY, *Corporation Counsel*.
 THOMAS M. BABSON, *City Solicitor*.



ANNUAL REPORT
OF THE
TRUSTEES OF THE PUBLIC LIBRARY
FOR THE YEAR 1896.

TO HIS HONOR JOSIAH QUINCY,
Mayor of the City of Boston:

SIR: In compliance with the ordinance which requires the Trustees of the Public Library to make an annual report of its condition, they present the following as their forty-fifth annual report for the year ending January 31, 1897.

As the annual return which the Librarian is directed to make to the Trustees gives such complete and instructive information touching every department of the library, and exhibits so fully all the details of its management, they beg leave to adopt this return as part of their own report; otherwise, this communication would be largely a repetition of what the Librarian has so well stated.

The Trustees earnestly advise a careful consideration of his report, not only by the city government but by all who are interested in the success of the library and desire that it should fulfil the expectation of its founders, and become a great library, not only for general readers, but for students, scholars, and scientists.

A repetition of some portions of his report, however, may be desirable.

The ordinance touching the annual report of the Trustees specially directs them to state the "condition of the library, the number of books added thereto during the year, the reports of the Committee for the examination of the library, and the total amount of money received from fines and sales."

Our library system has been greatly enlarged, so that it now comprises:

The Copley Square Central Library and the branch libraries at

Brighton,	Roxbury,	} Reading Rooms.
Charlestown,	South End,	
Dorchester,	South Boston,	
East Boston,	West End,	
Jamaica Plain,	West Roxbury,	
Mattapan,		
Mt. Bowdoin,		
North Brighton,		}
Lower Mills,		

Besides these 14 branches there are 12 delivery stations, having daily interchange with the Central Library.

Besides these, 13 engine-houses receive each 25 volumes every month, and, in addition, deposits are sent to the Cottage place School, to the North Bennet-street Industrial School, and to the Tyler-street Vacation School.

We would remind the citizens that the Central Library is open every day in the year, except on four of the legal holidays, and the West End branch is open every day except on all the legal holidays.

The number of books added to the library during the year was 33,468.

On the 31st of January, 1896, there were in the Central Library and branches, 628,297 volumes, of which 469,874 were in the Central Library. On the 31st of January, 1897, the number in all the departments was 663,763, of which 492,901 were in the Central Library.

As the Trustees are charged with the duty to "adopt such measures as shall extend the benefits of the institution as widely as possible," so that the people may acquire the "wisdom and knowledge which in the Bill of Rights are declared to be necessary for the preservation of their rights and liberties," it is most important to know if the citizens are using the library as much as they should; if the love and habit of reading increases, and if the books, giving instruction, and diffusing "wisdom and knowledge," as well as mere pleasure, are generally read. We may be proud of the architectural charms of our library building, and find delight in its artistic decorations, but if the institution does not accomplish the work for which libraries are designed it is not a success.

It is gratifying to know that there is no doubt in the matter. The Librarian's report shows not only great increase in the circulation of the books for home use, but great increase in the number of readers in the Central Library and the several branches. It also shows great increase in the use of books therein by students, and those engaged in literary and scientific work.

The circulation for home use from the Central Library increased from 251,561 in 1895, to 285,560 in 1896; 60,175 volumes were issued from the children's room at the Central Library, an increase of many thousand volumes. As no record is kept of the hall use of books in the Central Library no accurate statement can be made of the number of readers there, but it is known to be large; nor can we state the number of volumes taken from the shelves to be read. There are over 100,000 books which may be so taken without a call slip, and we can safely say that such use is very great. At times nearly every seat in Bates Hall is occupied, and often nearly 300 readers are seen busy there, with note book and pencil.

The report of the Librarian shows that the number of "active" (live) cards outstanding January 31, 1897, is 45,606, against 34,842 February 1, 1896,—a gain of 10,764 card-holders during the year, and also that there is a greatly increased use of books "on the Fine Arts in connection with lectures, classes and topical work generally."

Our newspaper-room attracts a large and increasing number of readers. We have 318 papers; 111 are published abroad, 207 in the United States, and 85 in foreign languages. On the average, 225 papers are received daily. It is apparent that such reading is well appreciated by our citizens.

All these facts show, beyond a doubt, this gratifying result, that the use of books increases greatly, and that the habit of reading constantly grows. We need have no fear that the library is not doing and well doing the work for which it was established.

The Trustees would call attention to an important change in the administration of the stations by the extension of the "deposit" system.

Deposits of about 300 volumes are sent to each station, placed on shelves accessible to the public, and circulated directly from the station. These deposits are changed from time to time. This system has resulted in the increase of the circulation through stations from about 40,000 books in 1895-96 to more than 120,000 in 1896-97. Notwithstanding

this increased circulation through deposits, the demand for Central Library books on cards sent from stations, has not decreased.

The number of books sent out on deposit during the past year was 11,962; the number at this time on deposit is 3,906.

The books for deposit use are either withdrawn from the Central Library collection, or bought expressly for the purpose. Unless the former are duplicates, they must necessarily sometimes be recalled from deposit at much inconvenience and trouble, but it is hoped that we shall ultimately have enough "regular deposit" books to meet all demands.

As reference has been made in previous reports to complaints of delays in getting books, it is gratifying to know that present methods have somewhat obviated the evil. The Librarian says the pneumatic tubes and the book railways now work with more certainty, and thus relieve a prominent cause of delay; furthermore, the attendants are better trained for their work. Without doubt, however, much of the delay results from the fault of readers. During the year investigation showed that on 505 application slips the name of the applicant was omitted; on 1,163 slips the number of the reader's table was omitted. In 7,066 cases, applicants were not to be found at the table to which it was requested the books should be brought. Still, there are delays which should, if possible, be remedied; but the chief of the Issue Department thinks they are largely caused by "certain inconveniences in architecture and classification, and to incompleteness in the catalogues and shelf-lists, which have not been brought to correspond with changes in the shelves."

The Trustees and the Librarian appreciate the importance of reducing all delays to a minimum, and their constant attention will be given to such improvements as may enable all readers to receive promptly their books.

In May, 1896, a system of inter-library loans was adopted, by which certain libraries had the privilege of drawing our books for specified uses, with the guaranty for their safe return. Rules were made to carry out this system, and during the year 63 volumes were loaned to certain libraries of the Commonwealth. As care is taken that no loss or damage to the books can occur from such loans, and as only such books as can be spared without inconvenience to our own readers are loaned, the Trustees believe this comity will be generally approved.

Our library is indebted to the Commonwealth for the gift of a large part of the valuable land upon which it

stands; and if we can requite the obligation by allowing its people outside of Boston to enjoy some of our books through inter-library loans, without prejudice to our own citizens, and without injury to the library, we believe it is proper to do so.

In order to direct the reading public to sources of information relating to topics of current interest, the Trustees have sought to set on foot a plan for the publication in the daily papers of short lists of titles which may be profitably consulted by persons seeking trustworthy statements about subjects which, from time to time, become matters of public interest. In this effort the co-operation of several of the daily papers has been secured, and it is hoped that, as the educational value of the plan becomes more apparent, a wider publication of such lists may appear practicable.

Many donations have been made to the library during the year, some of them of great importance. They are fully set forth in the Librarian's report. As evidence of the great interest of our citizens in the success of the institution, they have peculiar value. It is matter for congratulation that this interest has extended beyond state lines, and led Miss Victorine Thomas Artz, of Chicago, to make the generous gift of \$10,000 as a fund for the purchase of rare editions of classic writers, to be known as the Longfellow Memorial Collection. The Trustees indulge the hope that these gifts will stimulate other friends of the library to make like benefactions. We need additional endowments; we need more means to make this library what it should be,—to make it properly represent the culture and intelligence of this community. If the citizens could realize how deficient it is in many respects, and what is required for the supply of these deficiencies, it cannot be doubted that the necessary means would be forthcoming, either from the City Government, or from the private donations of the public-spirited and patriotic.

The Trustees would remind the friends of the library that out of the annual appropriation of \$225,000, but \$25,000 could be appropriated to the purchase of books. Administrative expenses increase so much that, with an income of \$250,000, not more than this amount is available for books. Now, for a city of half a million of inhabitants, \$25,000 a year barely suffices for the more popular departments of literature. It does not suffice for the multiplication of copies of popular books required for so many readers, spread over so large an area. The fact that last year 57 per cent of the applications through the branches and stations for

books from the Central Library were fruitless, indicates the present need of such multiplication of copies; to provide these, and the necessary additions of current publications, \$25,000 per year is very inadequate. The moneys needed to supply the wants of specialists must be obtained by private gifts. If the library is to maintain its reputation as one for the scholar and specialist and increase in usefulness, *it must be further endowed*. The total annual income of the Trust Funds is less than \$9,000, and a large part of this is restricted. Nine thousand dollars per year is practically exhausted in supplying the most important of the current publications to which the city funds will not extend. When, therefore, opportunities occur for the purchase of special collections which are occasionally put on the market, the Trustees are powerless in the matter. We should improve such opportunities if we would build up a great reference library.

The Trustees earnestly desire to remove any impression which may exist that the library is rich in endowment, or that the appropriations from the city can do more than provide for the miscellaneous literature of the popular sort. The library should have a reserve fund for emergencies.

The city has erected for the library a noble building; but the moneys it provides for its maintenance must be directed to the educational needs of the great mass of citizens. The funds required to enable the institution to render the service which a great reference library can perform for the higher scholarship must be contributed, as we have said, by individuals.

As the Librarian gives in his report a full statement of the financial condition of the library, its income and expenditures, reference thereto will give information in the matter; but as many may not closely examine his statement, and as it is important that the government and the citizens should fully understand what we have received, and what we have disbursed in the administration of the library, the Trustees repeat in condensed form what has been so minutely set forth by him:

The total income of 1896, from all sources	
was	\$272,842 87
Made up as follows:	
The General Appropriation of that year	\$225,000 00
<i>Amount carried forward</i>	\$225,000 00

<i>Amount brought forward,</i>	\$225,000 00
The Trust-Funds income for 1896, and the unexpended income previous to 1896, from Trust Funds	30,712 20
The Miscellaneous income derived during the year from fines, sales of library publications, rents of Old Library building, and receipts, other than those above stated	17,130 67
	\$272,842 87
The gross expenditures during 1896, including the cost of maintaining the branches, reading-rooms and stations were	243,366 81
Balance	\$29,476 06
These expenditures were made—	
From General Funds	\$231,525 33
From Special Funds	11,820 32
From Exchange Account	21 16
	\$243,366 81

The above balance of \$29,476.06 is largely income from Trust Funds, restricted to the purchase of books, and not to be used for other purposes.

The amount of such restricted income is	\$22,929 77
The Todd Fund, applicable only to the purchase of newspapers, makes a part of said balance. It amounts to	2,950 10
Balance of income, applicable to general purposes	\$3,596 19
The increase of general expenditures in 1896 over those of 1895 was	\$22,917 28
The increase in the cost of maintaining branches, reading-rooms and stations in 1896 over those of 1895 (included in the increase of general expenditures) was	\$14,788 16

The largest items of increased expenditures were those of *Books and Salaries*.

The increase in expenditures for books from city appropriations alone was \$7,550.07.

The increase in salaries is "accounted for in part as contract increases under the graded system, and in part as expenditures for departments of work either newly undertaken, or not forming a full year's liability in 1895."

SPECIAL APPROPRIATIONS.

The Balance of the Building Appropriation

February 1, 1896, was	\$139,983 17
Expenditure in 1896	50,502 00
Balance	\$89,481 17

Against this balance are contract liabilities amounting to \$92,002.08.

There are also claims amounting to over \$8,000 ; making a deficit of \$10,521.81, for which there is no present provision.

The balance of the Furnishing Appropriation

February 1, 1896, was	\$41,339 92
Expenditures in 1896	16,799 96
Balance	\$24,539 96

which is less than will be required for the adequate furnishing of this building.

The alterations and repairs on the West Church property on Cambridge street were completed during the year, and we now have a building well adapted for a branch library. It is in every way the most attractive and the most complete of all the branches.

During the year nearly \$3,000 have been expended in repairs and for furniture at the different branches.

The Trustees regret to say that a large sum is required to put the East Boston branch in proper condition, to repair the building in which it is located, and furnish the necessary equipment ; that the cost is wholly beyond their means, and a special appropriation must be made for the work. East Boston is remote from all other library facilities, and the demands of its 42,000 inhabitants for improved library accommodation, for larger rooms, more suitable furniture and better books have been so great and so generally recognized, that in July last an order was introduced into the City Council for a loan of \$75,000 to be expended on this branch, but the order failed to be enacted.

In September last the Building Committee of the School Board requested the Trustees to remove the South End

Branch from its quarters in the basement of the High School building on Montgomery street, as the room was needed for school purposes.

The Trustees, having no funds for the purchase of a building elsewhere for this branch, proposed to discontinue it, as proximity to the Central Library seemed to make a branch in the High School building unnecessary; but a petition having been received, signed by several hundred residents of the vicinity, protesting against such discontinuance, and demanding the retention of the branch where it was, until another location could be secured, the Trustees decided to take at present no further action in the premises. They hope if the South End Branch is to be maintained, the means for the purpose will be supplied by the government.

The Trustees would draw attention to the need of an appropriation for certain additional work at the Central Library, which may be considered as "Construction," and therefore properly chargeable to Construction Account.

One hundred thousand dollars, at least, are needed for these purposes. It was not to be expected, when the designs of this great library building were made, that everything needed for the accommodation of the institution could be foreseen and supplied. Experience was required of new and developing uses.

We would refer to some of these unanticipated demands.

It was found that the heating apparatus was insufficient to warm certain parts of the building. This defect could not have been foreseen when the plans of the apparatus were made, because certain structural peculiarities in the building presented conditions affecting the efficiency of the apparatus which could not be taken into account at the outset of the plan.

The scheme for ventilation, notwithstanding the time and study given to it by its designer, proved wholly inadequate for the desired result, and we were compelled to expend largely in improving it.

The apparatus is not yet what it should be; and further moneys are required to perfect it.

We were obliged to purchase an auxiliary engine and dynamo for heating, lighting and power purposes. New wiring for electric lights in the periodical and other rooms was required; also, additional fixtures for the delivery room, the children's room and other departments. Standard lamps were needed for the bookcases in Bates Hall. The cost of them was \$1,400.

Certain work should be done on the roof platform and other part of the exterior of the building, which is properly "construction," and chargeable to Construction Account and not to Maintenance.

Two freight elevators are greatly wanted for the convenient performance of the work of the library.

Certain portions of the building, which have never been completed, should be fitted up for administrative purposes. A large room over the bound newspaper-room should be prepared as a duplicate room, and nearly half the basement fitted for storage shelving, and other library accommodations.

As the room occupied by the patent collection is wanted for a reading room, a gallery floor must be put up in the newspaper-room for the accommodation of this collection.

The ceiling of the delivery room has never been finished, and, if it is to be made as designed, to correspond with the rest of the room, the cost will be large.

Certain important changes, involving considerable expense must be made in some of the administration rooms, especially in the branch rooms, where facilities were made for sending out only about 5,000 volumes a year; but now there should be provision for sending out at least 300,000. This change would require the remodelling of one of the stack floors at much expense. The domed rooms, those occupied by the Barton-Ticknor and Fine Art collections, should have lights around the domes.

The convenience of the public would be greatly served by a complete system of clocks throughout the building; but the Trustees have no funds for such purpose.

The above are only some of the needs of the library; many more and pressing ones might be named, which daily experience shows are made indispensably requisite by the growth of the library, the constant increase in numbers of those who use it, and the development of new uses.

None of these or other necessary improvements can be met from our annual appropriations, which are barely sufficient for maintenance. We should have a further special "Building Appropriation."

Of late, when an item of such work, properly chargeable to "Construction," has been so pressing that it cannot be delayed, we have been compelled to borrow for the time the means for payment from our Furnishing Appropriation to be returned hereafter.

The Trustees are able to report that the eight panels which M. Puvis de Chavannes had engaged to paint for the

decoration of the Staircase Hall, have been finished, as also the work of Mr. Garnsey on the ceiling, required for the completion of the designs of the great artist. In the judgment of those who may be considered experts these mural decorations are considered a great success, and add largely to the æsthetic claims of the building. They are evidently enjoyed by the citizens, since large numbers of persons come daily to see them.

Among the gifts to the library during the year 1896 was the Macmonnies group, known as the Bacchante, and presented by the architect, Mr. McKim, as a decoration for the fountain in the centre of the courtyard. Its exhibition has led to a discussion of its fitness for that place, and the Trustees still have the matter under consideration.

The Committee appointed by the Trustees to examine the library during the past year consisted of John L. Bates, Borden P. Bowne, Everett W. Burdett, Helen Cheever, Joseph J. Corbett, Hasket Derby, George M. Garland, Heloise E. Hersey, John E. Hudson, Emma Hutchins, John J. McNulty, Leighton Parks, Azariah Smith, Caleb B. Tillinghast, and Barrett Wendell.

Their full report, with its valuable comments and recommendations, is appended hereto. As the date of their report coincides with the date of this, the Trustees will not attempt a present discussion of these recommendations, but will content themselves with noting here their appreciation of the care, interest, and public spirit with which the Committee has done its work.

During the year our esteemed co-Trustee, Gen. Francis A. Walker, died. Although he served but a few months, his deep interest in the library, his great love of letters, and his large experience as an educator, made his opinions and suggestions touching the execution of our trusts most valuable.

The institution has lost in him a warm friend and advocate, and the Trustees a useful and pleasant associate.

FREDERICK O. PRINCE,

President.

JOSIAH H. BENTON, JR.

HENRY P. BOWDITCH.

JAMES DE NORMANDIE.

SOLOMON LINCOLN.

February 1, 1897.

Adopted.

Attest:

HERBERT PUTNAM, *Clerk.*

RESOLUTIONS ON THE RETIREMENT OF
SAMUEL CARR.

[A Trustee June 24, 1895—April 30, 1896.]

IN BOARD OF TRUSTEES,
June 19, 1896.

As Mr. Samuel Carr has ceased to be a Trustee of the Public Library by reason of the expiration of his term of office, his associates on the board desire to express and record their appreciation of his valuable services. It is therefore

Resolved, That Mr. Carr, by his faithful and successful discharge of his official duties, is entitled to the gratitude of the citizens and the friends of the library.

Always manifesting deep interest in his trust, he was constant in attending our meetings and ready at all times to perform his share of the work. To the many important matters specially referred to his consideration he gave faithful attention, exhibiting therein excellent judgment and great executive ability.

His thorough knowledge of business principles and methods enabled him to render valuable assistance to the Board, and made his work useful and beneficial.

Resolved, That the Trustees gratefully accord to him the freedom of the alcoves, with the customary privileges.

RESOLUTIONS ON THE DEATH OF
FRANCIS A. WALKER.

[A Trustee May 4, 1896 — January 5, 1897.]

IN BOARD OF TRUSTEES,
January 15, 1897.

Resolved, That the Trustees of the Public Library have lost in Gen. Francis A. Walker an esteemed and valuable associate. Although his term of service was short — being less than a year — his deep interest in the library as an instrument of public instruction, his ardent love of letters, and his great experience as an educator, made at once his suggestions and judgment, touching the many questions affecting the administration of the important trusts reposed in this Board, of great value.

Being so well equipped for the work, it is most unfortunate, for the interests of this great public institution, that he was not permitted to continue longer as a supervisor.

General Walker was a very remarkable man, eminent as a soldier, an educator, a writer, a lecturer, and a scientist. His great interest in public questions, especially those relating to economics and finance, his studious habits, his extraordinary capacity for work, his contagious enthusiasm in the prosecution of whatever he undertook, endeared him to the citizens and made his death a public loss.

His industry and public spirit enabled him to respond to constant calls to serve as member and manager of many scientific, literary, educational, and other organizations. As he was not impeded by weight of years, and apparently possessed great physical vigor, there was reason to believe his career of usefulness would be long. But it was otherwise ordained.

Multis ille bonis flebilis occidit.

LIBRARIAN'S REPORT.

To the Trustees :

I have the honor to submit my report for the year 1896.

By reason of the change in the statistical year 1895, which brought it into accord with the fiscal year, the statistics given in last year's report represent a period of thirteen months. This is to be regarded in comparing the statistics given in this report (which embrace the twelve months ending January 31, 1897) with those given in the report for 1895.

Since February 1, 1896, there have been added to the operating departments of the library one branch library (the West End), and three delivery stations of the deposit type. To seven of the existing stations, one branch and two reading rooms, the deposit feature has been added. This addition, with a change in method of compensation, has so enlarged the scope of service in the case of these stations as to entitle them to be re-classified. West Roxbury, formerly classed as a mere delivery station, is now ranked as a branch, having a permanent collection of some 4,000 volumes. On January 31, 1897, the library system comprises :

The Central Library, Copley square.

Two branch libraries (Brighton and West End) in separate buildings, owned by the city, and exclusively devoted to library uses.

Six branch libraries (Charlestown, Dorchester, East Boston, Jamaica Plain, South End, and West Roxbury), in city buildings in part devoted to other municipal uses.

One branch library (Roxbury), in a separate building devoted solely to the uses of a Public Library, but in which the City Library is the lessee of a private library association.

One branch library (South Boston), occupying rented rooms in a building devoted for the most part to commercial uses.

Four branch reading rooms (Lower Mills, Mattapan, Mt. Bowdoin, and North Brighton).

Ten delivery stations (B, G, H, J, M, N, P, Q, R, S), with the "deposit" feature, one of which (Station S) is maintained without present expense to the library for rent or services of custodian, one of which (Station P) is in a rented store, in charge of an employee on the library pay-roll,

and eight of which are in stores, whose proprietors, with one exception, give space, heat, light and service for a compensation based on the number of books circulated by them ; and two delivery stations (E and K), of the old type, through which cards and books are issued from the Central Library, and whose proprietors receive a fixed compensation of \$250 per annum. This method of compensation still applies to Station H also, although now a deposit station.

The delivery system of the library (a daily interchange with the Central Library) extends to all of the above 26 branches, reading rooms, and stations, the transportation being effected by the two library teams, save in the case of seven, where local expresses are employed. The regular delivery system has since November 15 comprised, further, a monthly delivery of a box of books to each of 13 fire companies, and since January 25, 1897, a delivery twice each week to the Hancock Grammar School, on Parmenter street.

The Central Library has been open every day in the year, except June 17, July 4, September 1 (Labor Day), and Christmas. On the other legal holidays (Washington's Birthday, Patriots' Day, Memorial Day, and Thanksgiving Day), the Central Library was open as on Sundays, that is, from 2 until 10 P.M., in all departments directly serving the public. Of the branches, the West End has been open on Sundays during these same hours throughout the year ; and the Charlestown, East Boston, and South Boston branches between March 15 and April 26, inclusive.

FINANCE.

The Auditor's statement (Appendix I. of this report) shows fully the receipts and disbursements of this department during the fiscal year.

INCOME.

The following figures, drawn from the Auditor's statement, indicate income applicable to maintenance and purchase of books :

General appropriation for 1896	\$225,000 00
Miscellaneous income, including receipts from fines, sales of library publications, rentals of old library building, exchange accounts, interest and balance from 1895	17,130 67
Trust Funds : Income and balances	30,712 20
	\$272,842 87

Under Trust Funds above, the figures include the Todd Fund (balance \$2,776.25, income \$2,000), for the Newspaper Room. They include also funds (*e.g.*, the Harris Fund, balance \$3,688.21, income \$300), the income of which is restricted to a narrow area of purchase.

Not, of course, included under Income, are two principal sums, representing endowments, which have become available during the year. These are: the sum of \$10,000, given by Miss Victorine T. Artz; and the sum of \$2,500 bequeathed by Charles Mead, Esq. The Mead Fund has already been invested, and the income to January 31, 1897, is included above. The Artz Fund has not yet (February 1, 1897) been invested. (Since invested in City of Boston bonds.)

EXPENDITURES.

General appropriation: In addition to the detailed statement of expenditures for the year 1896, Appendix I. gives a comparative exhibit of the expenditures of this and of the preceding year distributed under the several accounts. This shows that the expenditures met by the general appropriation, supplemented by the revenue from the old building and receipts from fines and sales, were:

In 1896	.	.	.	.	.	.	.	\$231,525	33
In 1895	.	.	.	.	.	.	.	208,608	05

Increase in general expenditures	.	.		\$22,917	28
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The cost of maintaining the branches, reading rooms, and stations is included in the above. This item was:

In 1896	.	.	.	.	.	.	.	\$62,785	39
In 1895	.	.	.	.	.	.	.	47,997	23

Increased expenditure for Branches, Reading Rooms, and Stations in 1896 over 1895	.		\$14,788	16
--	---	--	----------	----

At the Central Library increases in certain items were offset by decreases in others. The items of largest increase were books and salaries. The expenditures for books and periodicals from city appropriations alone were \$7,550.07 greater in 1896 than in 1895. The increase in salaries is accounted for in part as contract increases under the graded system, in part as expenditures for departments of work either newly undertaken or not forming a full year's liability in 1895.

The above totals are exclusive of —

Expenditure for books, purchased with income of Trust Funds	\$9,590 82
Expenditure for newspapers from the Todd Fund	1,826 15
Expenditure for books and periodicals from miscellaneous gifts	403 35
	\$11,820 32

The gross expenditures for the year 1896, to be compared with the gross income (\$272,842.87), noted above, were therefor:

General funds	\$231,525 33
Special funds as above	11,820 32
Exchange account	21 16

Total expenditures \$243,366 81

An available balance on February 1, 1897, of \$19,346.90 is made up as follows:

Applicable to general purposes	\$3,596 19
Applicable to newspapers (Todd Fund)	2,950 10
Applicable to the purchase of books:	
Nominal balance	
(mainly Trust Funds)	\$22,929 77
Less bills in hand and outstanding orders, \$2,140 95	
Less reserve for continuations	4,000 00
Less C. Harris Fund 3,988 21	10,129 16
	12,800 61
	\$19,346 90

SPECIAL APPROPRIATIONS.

Those with existing balances are the Building appropriation (construction of new Library Building) and Furnishing appropriation (new building). The Auditor's Exhibit shows:

Building appropriation: Balance February 1, 1896	\$139,983 17
Expenditures 1896	50,502 00
Balance	\$89,481 17
Against which are contracts amounting to	\$92,002 08
And claims amounting to over	\$8,000 00

The apparent deficit, if not otherwise provided for, must be met out of the balance of the Furnishing Appropriation by reimbursement on account of furnishings hitherto charged to the Building appropriation. Much work, however, properly chargeable to Construction, still remains to be done. The above figures take account of the amount (\$3,280.14) deducted from the I. P. Morris contract as a penalty for demurrage on the engines.

Furnishing appropriation: Balance February,	
1896	\$41,339 92
Expenditures 1896	16,799 96
Balance	\$24,539 96

which is likely to be fully exhausted by work either already contracted for or projected.

BUILDINGS AND EQUIPMENT.

CENTRAL LIBRARY.

To the power plant at the Central Library has been added an auxiliary engine of 50 h. p. capacity, directly connected with a 40 K. W. dynamo. This carries the entire load from 6 A.M. until about 4 P.M., when the burden has to be shared by one of the large (150 h. p.) engines. This new engine thus combining with one of the large engines enables the ventilating fans to be run throughout the library day, instead of as heretofore only until 6 P.M. A change has been made from the 220 volt to a 110 volt system throughout, and the equalizer necessary with the larger voltage abolished. This has necessitated the rewinding of the dynamos and the substitution of 110-volt for 220-volt motors throughout the system.

To the heating apparatus have been added 2,150 feet of radiating surface on the Special libraries floor, and 366 feet in the newspaper room and bindery. With these additions, there has been no difficulty in keeping at a comfortable temperature these rooms, part of which during last winter were at times uninhabitable.

The following statistics have been so frequently called for by other institutions that I include them here. Some of them repeat, others correct, certain of the figures given on page 17 of the last report:

Area of land (as given in 1892 report)	64,844 sq. ft.
Area of courtyard (approximate)	12,075 sq. ft.

Outside dimensions of building (1892 report) —

Front on Dartmouth street and rear	225 ft.
Front on Boylston street	228 ft.
Front on Blagden street	228 ft.
Height from street level to top of cornice	68 ft.
Height from cornice to ridgepole	22.9 ft.
Cubical contents (building alone as estimated February, 1897) (approximate),	3,315,689 cu. ft.

Floor area: Rooms open to

the public 51,030 sq. ft.

Other rooms 59,324 sq. ft.

Basement (cemented) 34,399 sq. ft.

Total floor area 144,753 sq. ft.

Heating: Radiating surface 30,000 sq. ft.

Lighting: 3,200 sockets for electric lights (wired for 3,500).

Ventilation: 2 fans: Intake (18 ft. in diameter) and exhaust.

Boilers: 3 — 100 h. p. each, of which one always in reserve.

Engines: 2 tandem compound, 150 h. p. each; 1 Cross compound, 50 h. p.

Dynamos: 2 — 100 K. W. Siemens-Halske, 110 volt; 1 — 40 K. W. Siemens-Halske, 110 volt.

Motors: 1 — 15 h. p.

1 — 8 h. p.

1 — 5 h. p.

3 — 2 h. p.

2 — 1 h. p.

NOTE. The removal of the book railway from the special libraries floor puts out of use the 6 h. p. motor installed for its operation.

Steam Pumps: 2 boiler feed; 1 elevator; 2 fountain; 1 low pressure, for ejecting water.

Air compressor for pneumatic tubes.

Elevators: 1 passenger, 2,500 lbs. lifting capacity; 7 book elevators, operated by one motor.

Coal consumed: 1896 (approximate), 1,345 tons.

During the year a room near the Newspaper Reading Room has been equipped with shelving for bound newspapers. The room has a floor area of but 1,160 feet square, out of which space must be left for readers. But its height admitting of two tiers of cases, shelving has been contrived for some 3,000 volumes. The files least used will have to find accommodation in the basement: for these, shelving has yet to be constructed. The cases above have sliding shelves, to save the wear on the volumes in constant use. In the basement cases of a simpler type will suffice.

In the decoration of the building the most important event of the year has been the installation in October last, of the

eight panels, by M. P. Puvis de Chavannes, which, at the date of the last report, were yet to be delivered. These complete the contract of M. de Chavannes, and with the subsequent treatment by Mr. Garnsey of the ceiling of the Chavannes lobby, complete the decoration of the staircase hall.

Works of art given, accepted, and placed during the past year have been: (1) The bronze bust of Oliver Wendell Holmes, by Richard Edwin Brooks. This was ordered by the Mayor of Boston, on authority of the City Council, and was paid for by the city. (2) The marble bust of John G. Whittier, by William Ordway Partridge, the gift of the sculptor. (3) A portrait in oils of George Ticknor at the age of forty. This is a copy of a portrait by Thomas Sully, painted in 1831, and was given by Miss Anna E. Ticknor. An interesting memorial, also, of Mr. Ticknor, is the large mahogany cabinet-desk used by him. This was given to the library by Mr. Ticknor's family after the death of Miss Anna E. Ticknor; and, with the portrait, has been placed in the Barton-Ticknor room.

In the section of the Fine Art Department, devoted to architecture, has been placed a memorial tablet to the late Eugène Létang. It is of bronze, in a setting of marble; was designed by Mr. William E. Chamberlin; was undertaken, designed, and erected under the auspices of the Boston Society of Architects, and bears the following inscription: "Born at Boulleret, France, in the Province of Berri; he came to Boston in 1871; for twenty-two years he taught architectural design at the Massachusetts Institute of Technology. In grateful memory of this loyal and faithful service this tablet is erected by his pupils and friends."

Permission has been granted to the Society of Architects to place in this room, on temporary deposit, a portrait of Edward C. Cabot, the first president of the society.

The Children's Room has become enriched by a collection of solar prints, enlarged under the direction, and at the expense, of Mr. Arthur Astor Carey, from photographs selected by him. They are suggestions for the decoration of school-rooms; and Mr. Carey has placed them on exhibition here, for the purpose of showing what may be done at a comparatively small cost to cultivate the artistic sense in school children. The cost of each print, framed and unframed, is indicated in a catalogue, copies of which may be had at the library on application.

The collection numbers some ninety prints, and comprises famous examples of sculpture, the "Venus of Milo," the

ERRATA.

Page 20, line 30, *for* faithful, *read* fruitful.

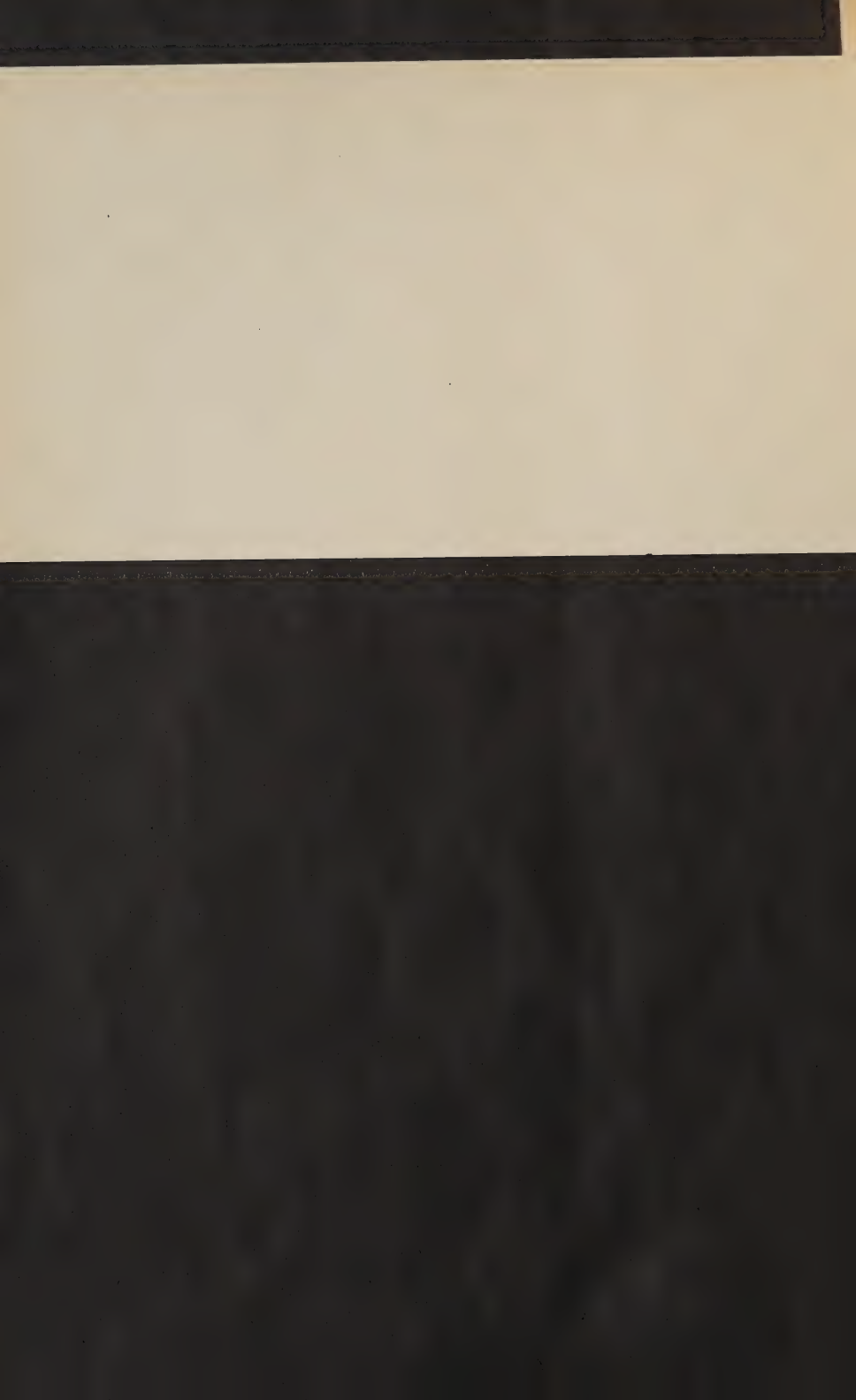
Page 23, line 2, *read* 663,763, of which 492,901.

Page 27, line 5, *for* Fellows', *read* Fellowes'.

Page 35, 8th and 4th lines from the bottom, *read* 45,606.

Page 46, last line, *omit* Appendix X., the by-laws, as revised to date.

Page 47, *for* XI., XII., XIII., XIV., *read* X., XI., XII., XIII.



"Victory of Samothrace," as well as modern sculptures by Frémiet and Barye; photographs of Grecian and Egyptian architecture, of Gothic cathedrals, of Venetian and Moorish palaces; specimens of wood-engraving by Dürer and others; of famous paintings and mural decorations; and portraits of George and Martha Washington; of Lowell, Lincoln, Franklin, and other famous Americans.

BRANCHES.

The completion in January, 1896, of the alterations and repairs upon the West Church property on Cambridge street brought to the service of the library a building admirably adapted to library uses, in a district where important library work was to be done. On February 3, 1896, it was thrown open to the public as the West End Branch. It is in equipment the most modern, as it is in general aspect the most attractive, of all the branches. In land, building, and equipment alone (omitting books) it represents an outlay on the part of the city of about \$96,000.

Some new furniture and shelving have been added to the equipment of nearly all of the branches. At Brighton and at South Boston alterations and repairs have been more thorough: counters remodelled, new reference cases built, and various furnishings and fixtures added. In all, some \$2,000 has been spent on repairs at branches during the year, and over \$600 in furniture. This is exclusive of work done by our own carpenter. At South Boston the Savings Bank, which is our lessor, has retinted the branch rooms, and supplied certain fixtures asked for.

The branch at East Boston is more desperately than any other in need of repair and equipment; but the need is so radical as to constitute a bar to present action. The rooms themselves are but a third of the size they should be; they are in an unsuitable building, and on the wrong floor of that building. The furniture is meagre, battered, and ill-adapted to its purpose. The books, although not meagre in number, are meagre in interest, and, equally with the furniture, battered and ill-adapted to their purpose. To attempt to better the equipment or the service in the present rooms is but to palliate, at expense, conditions that must be dealt with radically. East Boston is by itself a city of 42,000 inhabitants, remote from other library facilities. Those furnished by our East Boston Branch should be, at least, the equivalent of those represented by the West End Branch. In July last an order was introduced into the City Council for a loan

of \$75,000 for land and a building for the East Boston Branch. It did not come to enactment.

In March last an order was passed looking to the purchase of a building on West Springfield street for the use of the South End Branch, but no action was taken. Assuming the purchase to be desirable, the Trustees had not the funds and the City Government did not offer to provide them. The branch continued in its rooms in the basement of the High School building on Montgomery street. In September a request was received from the Buildings Committee of the School Board that the branch be removed, the room being peremptorily needed for school uses. Before final action was taken on this request the Trustees received a petition, signed by several hundred citizens of the South End, in protest against the discontinuance of the branch. The petition recognized the proximity of the branch to the Central Library, and admitted that some other location might be more desirable, but was urgent against the vacation of the High School rooms until such other location should have been secured. The Trustees had no funds with which to rent rooms for the branch, and on examining the terms of their occupancy questioned their right under these circumstances to vacate at once the rooms held by them rent free. The matter has rested there, save that the need of the space for school uses has been urged upon the City Council by the School Committee.

The introduction of the Deposit System into the delivery stations has meant the equipment of each station with shelving, table, desk, and chairs; it has involved in effect the furnishing in each case of a room some 15 feet square. Station P has involved more than this in bringing into service a rented store (37 Broadway Extension), which has been entirely furnished and is exclusively maintained by the library.

BOOKS.

Appendices II-V give the extent of the library by years, a summary of the contents of the library on January 31, 1897, the net increase of the several departments during the past 10 years, the actual accessions (as distinguished from the books located), and the classification of the material in the Central Library and branches on January 31, 1897.

According to last year's report it appears that the number of volumes in the Central Library and branches on January 31, 1896, was 628,297, of which 469,874 were in the Central Library. By the tables appended to this report it appears

that on January 31, 1897, the number in all departments is 659,089, of which 488,227 are in the Central Library.

The total expenditure for books and periodicals during the past year was \$40,430.23, as against \$31,774.13 in 1895. This expenditure was distributed as follows:

City money expended for books:

For Central	\$13,695 77	
For branches	11,692 48	
		\$25,388 25

Trust Funds expended for books:

For Central	\$8,867 44	
For branches	125 44	
		8,992 88
		\$34,381 13

City money expended for periodicals:

For Central	\$3,964 97	
For branches	2,084 13	
		6,049 10
		\$40,430 23

In a comparison of expenditures with statistics of additions, the number of *accessions*, rather than the number of books actually located, should be considered. The *accessions* during the past year (excluding mere transfers from one department of the library to another) have been as follows:

	Volumes.		Volumes.	
Added by purchase . .	Central, 14,402	Branches, 9,599	Total, 24,001	
Added by gift . .	Central, 8,841	Branches, 626	Total, 9,467	
Total accessions . .	Central, 23,243	Branches, 10,225	Total, 33,468	

The above figures do not include 8,628 pamphlets not yet fully examined. Otherwise pamphlets are included in accordance with the practice adopted some years ago of entering, cataloguing and binding each pamphlet as a separate "volume."

In accordance also with a previous usage there are included as "accessions" the product of 36 volumes of pamphlets which have been dissected, and the several pamphlets bound separately. This usage (which has the effect of making material already on the shelves appear as a new addition to the library) has been discontinued since June, 1896. The pamphlet collections since dissected appear in the tables under the "increases" in the way of volumes, but I do not include them here as "accessions."

GIFTS.

Among the gifts of especial interest received during the year have been the following :

From Miss Victorine Thomas Artz, of Chicago, a fund of ten thousand dollars (\$10,000) ; "the income of this sum to be employed in the purchase of valuable rare editions of the writings, either in verse or prose, of American and of foreign authors." These books are to be known as the "Long-fellow Memorial Collection."

From the late Charles Mead, of Boston, a legacy of twenty-five hundred dollars (\$2,500), "to constitute a trust fund, to be designated 'The Charles Mead Trust Fund,' for the promotion of the objects of the Public Library;" to be used preferably for the benefit of the South Boston Branch Library.

From Col. Thomas Wentworth Higginson, of Cambridge, the "Galatea Collection of books relating to the History of Women." This collection, the first instalment of which was received February 11, 1896, now numbers 868 volumes. It has been amassed during a period of nearly 50 years, including books in various languages, and many that are rare and curious, and represents, so far as known, the only general collection of works on the subject in any public library. Colonel Higginson desires this to be considered the nucleus only of a collection which he hopes to see increased by other givers, "who may gradually co-operate in building up a department of permanent value."

From the estate of Mrs. Bessie S. Lockwood, of Cambridge, sixteen hundred and forty-three volumes, to be known, in memory of her husband, as "The Hiland Lockwood Gift." The gift includes, besides a various collection of American history and literature, many volumes of bound periodicals, newspapers, and public documents.

From the family of the late George Ticknor, besides the large cabinet-desk of mahogany, used by Mr. Ticknor, now placed in the Barton Ticknor library, seventy-five volumes, mostly in folio, of engravings in the subjects of architecture and painting; also some three hundred and forty-one supplementary engravings.

From Mr. and Mrs. James M. Codman, of Brookline, six hundred and eleven volumes, forming, with photographs, prints, etc., a notable and interesting library of landscape architecture; given "in memory of Henry Sargent Codman and Philip Codman, landscape architects," by whom the collection was made.

The Graupner Collection of Photographs.—This collection given in August, 1896, as a memorial to Miss Harriet H. Graupner, of Boston, by her friends, consists of over eleven hundred photographs of paintings of the Renaissance period, of all schools, with a small collection of representative Italian sculptures. The various Italian schools of painting comprise about two-thirds of the whole, and are represented by well-selected examples of the founders and masters of each school. The northern schools comprise good selections from the Van Eycks, Memling, Van Dyck, Rubens, Rembrandt, Holbein, Dürer, Schöngauer, and others. Among pictures of the Spanish schools are examples of Murillo, Velasquez, and the minor painters.

From Dr. W. N. Bullard, of Boston, ten volumes of old and rare books and manuscripts, including an example, (imperfect) of early illumination, probably of the 14th century. Three issues of the Venetian press, 1474, 1479, and 1489, make a valuable addition to the library's examples of early Italian printing. One of these, a "Mamotrectus," 1479, is from the press of Nicolas Jenson.

From Dr. R. M. Bucke, of London, Ontario, thirteen volumes of Whitman's works in various editions, the earliest of which is the Thayer and Eldridge Boston edition of 1860-61; ten pieces of manuscript; and seventeen photographs and engraved portraits. This is understood to be the first instalment of a collection of works by and relating to Whitman, to be made primarily by friends of the poet.

From Allen A. Brown, Esq., 322 volumes for the Brown Musical collection.

From Miss Susan Slavin, East Boston, 132 volumes of English, French, Latin, and Spanish literature.

From Charles F. Atkinson, Esq., Boston, 242 volumes of English literature, chiefly travels and the drama.

From the Commissioner of Patents of Great Britain, 74 volumes of British Patents.

From the German Patent Office, Berlin, 5,599 numbers of the "Patentschrift." This illustrated work gives a list of all the patents issued in the German Empire, and is a valuable addition to our patent collection.

From the estate of Samuel R. Urbino of Boston, 30 volumes of French, Spanish, and Italian literature.

From the Duc de Loubat, of Rome, a reproduction of a Mexican figure-writing, known as the "Nahua book." The original, Vatican codex 3,773, consists of nine pieces of tanned deer-skin, folded in forty-eight leaves.

From Arthur Astor Carey, Esq., Boston, a fine copy of Baudry, "*Peintures décoratives du grand foyer de l'Opéra*," Paris.

From Robert C. Winthrop, Esq., a MS. letter of Gov. John Winthrop, dated March 29, 1643. This to be placed with the Chamberlain collection.

From the heirs of Nathaniel I. Bowditch, two MS. copies of the memoir of Nathaniel Bowditch, prefixed to the translation of the *Mécanique Céleste*; and two MS. volumes of memorial notices of Nathaniel Bowditch, including copies of letters.

From the Mt. Bowdoin Association, the 893 volumes remaining of the collection placed on deposit by the association in our Mt. Bowdoin Reading Room some years ago. The title to these was formally transferred by the association to the Trustees on February 27, 1897.

From Messrs. Curtis & Co., Boston, and Messrs. George H. Polley & Co., Boston, sets of the photographs of the new Public Library building, made under the direction of these firms respectively.

It seems appropriate to mention also as among the gifts of the year the dedication to the equipment of a Military Alcove of the balance of the Twentieth Regiment Fund originally contributed for the erection of one of the St. Gaudens lions in the staircase hall. The exact sum that will be available for the purchase of books cannot at this time be stated with precision; it may reach \$2,500 to be expended in immediate purchases, and a fund of \$5,000, of which the income is to be used for additions. The initial expenditure will be for material relating to the Civil War; and to this end a special assistant under the chief cataloguer has been compiling a list of such material of importance (as Regimental Histories) not duplicating books already in the library. For this work of compilation the Committee of the Regiment has assigned a sum not exceeding \$300 out of the fund.

TRANSFERS.

It will be noticed that the tables show a considerable number of volumes transferred from the branches to the Central Library. The purpose of such transfer is to relieve the branches of superfluous material—documents and unsuitable titles or superseded editions—to make space for books of current interest and practical value. It is our hope in this way—by weeding out the "dead" matter, by weaving in the "live"—to conform the collection at each branch

to the principle that it shall contain only books in active use; but these, books really useful in their line, convenient in edition, and sound and attractive in appearance.

ADDITIONS TO BRANCHES.

Excluding the Fellows' Athenæum, the branch libraries vary in size from 4,000 to 30,000 volumes. Hitherto the books for each have been bought and catalogued without regard to the others. The present practice is in the case of new accessions to purchase the same title for all ten branches. The ten copies of the book are then catalogued at the Central Library as one title (in fact the cataloguing involves merely the printing of ten additional copies on smaller sized stock of the catalogue card already set up for the Central Library). To this economy should be added ultimately the publication of a single Finding List of Accessions that will apply to every branch as the "Y" list of "Selected Books for Young Readers" now does. This can be done only when a uniform system of notation will assign to the same title the same call number at whatever branch the copy be located. It makes a strong reason for revising, even at considerable present expense, the system of classification and of notation throughout the branches; perhaps for introducing into every branch the system in use at the West End.

In the column of books "condemned, lost, transferred and missing" are included all books unaccounted for in the shelf-reading of the year 1896. As explained in the last report this method of entry takes the extreme view that books not found in their places or recorded as elsewhere are to be classed as no longer in the library. As a fact the larger proportion of such books are but misplaced, and reappear later on. Nine hundred and thirty-two volumes entered in previous reports as "missing" have been found during the past year. The reading of the shelves in the Central Library is now especially difficult to conduct with precision, for the reasons: (1), that the books are scattered over a large area, in collections which are constantly varying as new uses develop; (2), that certain shelf-lists (*e. g.*, those of Stack 4) are, through erasures, interlineation, and cancellation, so confused as to furnish a check-list in itself uncertain; and (3), that pressure of other work upon the shelf-department has protracted the reading of the shelves fitfully over a long period. When certain of the shelf-lists shall have been rewritten, and the force of the department shall permit two members to be assigned continuously to the duty of reading, more definite results may each year be reached.

Assuming for the moment the figures as they stood February 1, 1897, to be final, they show but 38 volumes missing from the Bates Hall reference shelves since the count of last year. Considering that these shelves contain over 7,000 volumes, handled by the public absolutely without formality, this number seems small; and, as last year, the missing titles are of books of relatively insignificant value. The other "open" shelves in the Central Library are those of the Special Libraries' floor, the Patent room and the Children's room. Of the 90,000 volumes on the Special Libraries' floor, 77 stood unaccounted for in the partial reading February 1, 1897; of the 5,000 volumes in the Patent Library none; but the "missing" from the Children's room numbered several hundred volumes. Many of these have been carried off by children in mere misapprehension of the rules, and this may also be asserted of many of the 249 volumes missing from the Branch libraries since the system of "open" shelves has been introduced there. But the arrest during the year of one adult book thief with 27 library books in his possession, and of some six juvenile thieves with 21 library books in their possession, (nearly all books from the Children's room), shows that a percentage of the missing volumes must be set down as stolen. Of course, the books stolen are of a class easily replaced at no great cost; but the total of loss is large enough, I fear, to be quoted to the discredit of the system of open shelves. I am entirely unwilling to admit that it touches the principle of open shelves. Systematic theft by one or two individuals may proceed until it involves hundreds of volumes without impeaching the honesty of the general public. At the same time it is to be hoped that the punishment of the recent offenders may so serve as a deterrent that the figures for the coming year will not have to be explained in justification of the system.

BINDING.

During the year 8,145 books and 3,416 pamphlets have been bound in the Library Bindery. 1,510 of the books bound contained plates which required "guards." The work of the Bindery included also 2,417 volumes repaired, 1,739 pamphlets stitched into covers, 472 maps mounted on cloth, 1,199 covers made for serials, 3,805 cards and 74 photographs mounted, together with a mass of smaller miscellaneous work, such as portfolios, pouches, blocks, etc.; even eight office desks covered.

But there has now also been thrown upon the Bindery a large amount of work of cutting stock to be used in our Printing Department, and of folding and stitching library publications issued through it. During the past year 58,424 copies of library publications have been so folded and stitched. This work has required the addition to the Bindery force of one forwarder and one sewing woman, and to the equipment a new cutting machine of a modern, more powerful and more rapid type than the hand cutters already used. This machine, with an electric motor for its operation, has been purchased and installed at a cost of \$721.93.

Upon petition of the Bindery employees the working day in the Bindery was reduced from ten to nine hours. The change took effect on November 1, and was granted as an experiment to continue for one year. The work done is being carefully recorded, by way of comparing the output for a year under the nine-hour with that of the previous year under the ten-hour system.

The outside contract work (binding in cheap form of branch books and old Lower Hall books) has comprised the binding of 8,931 volumes at a total cost of \$1,420.72. A large amount of minor repairing is done in the stacks by the employees of the Issue Department.

CATALOGUES.

The number of volumes catalogued at the Central Library during the year has been 50,794, embracing 31,875 titles. The number of cards added to the catalogues is reported as 74,979. But these figures by no means indicate the extent of the work, even of the catalogue department, a large part of which cannot be tabulated. Of the Allen A. Brown library of music, 4,654 volumes, with 4,547 titles, were catalogued in 1896; also of collections, 4,732 parts, with 4,421 titles. The number of volumes catalogued since the work began is 8,309, representing 7,900 titles; also 10,888 parts. In the statistics of cataloguing, "volumes" means separate publications. In the case of the Brown library a great number of publications (as, songs) are apt to be grouped within one cover. In cataloguing these cannot be grouped under a single title, but must be entered separately. The work of cataloguing this library extends also to an analysis of the collections. What this involves may be judged from the fact that the nine volumes of Warren's Collection of Catches, Glees, etc., involved the cataloguing of over 600 titles. Mr. Hunt estimates that this library, which stands in our

records and in our acknowledgments as a library of 7,671 volumes, comprises over 30,000 different publications. The work of cataloguing is proceeding as rapidly as is consistent with the careful and scholarly labor with which it is being conducted.

Bulletins. (See *infra*.)

The Political Economy Catalogue.—Some 2,000 cards have been added to the matter under compilation. Among these accessions works on the currency question, as called out by the late presidential campaign, are especially numerous.

Boston.—A list of the documents printed during the time when Boston was under town government is ready for the printer. The Chief Cataloguer proposes that when in proof it be sent to other libraries for additions. The remaining portion of the bibliography of Boston has been considerably enlarged during the year.

A list of *Historical Fiction* relating to Rome was finished early in the year. Work is in progress on Italy. It is proposed to reserve the publication of these until the entire list can be issued.

A Bibliography of the Higher Education of Women, compiled by members of the Association of Collegiate Alumnae and under its auspices, is, at the request of the Association, to be published by us, most of the expense of publication being met by the purchase by the association of 2,000 copies. This list has had to undergo some revision by our cataloguers and the addition of recent titles. Seven pages of the forty-eight have been put into type.

Consolidated Periodical List.—An important venture in the direction of co-operative bibliography is the list of periodicals, newspapers, transactions of societies, and other serial publications currently taken by the libraries of Boston and Cambridge. In the preparation of this list, which has involved great labor and detail, the 36 libraries interested have worked together; but the publication is undertaken by this library alone. The matter is all in type (or properly in "slugs") save an Index, which is nearly ready for the printer. It will form a volume of perhaps 125 pages, and include about 5,400 different serials. We hope that it is merely preliminary to a list of all the *files* of serials in these libraries. Such a list, not merely giving the title of each serial, but describing with precision the period covered by the file in each library, would render an important service. We shall probably print such a list of the serials in the Boston Public Library, and using it as a basis invite the information that will swell it into a list inclusive of all these libraries.

Another enterprise in co-operative bibliography is the "*Index to Architectural Illustrations*" which is being undertaken by the Athenæum, the Institute of Technology and the Boston Public Library, and in which the libraries of Harvard and of Columbia Universities are likely to join. The index will, of course, comprise only material in these libraries; but the material in these five libraries (including the Architectural Departments of Harvard and the Institute and the Avery Collection at Columbia) covers a very wide range. In Architecture the Index will group under the name of each place illustrations of the architecture of that place and under the name of each subject (*e.g.*, cathedrals, opera-houses—even minor subjects, as chancels) illustrations of the architecture of that subject. At this library, for our own use, there are to be indexed sculpture and painting as well as architecture.

This work is being done not by the Catalogue Department but by the Fine Art Department under Mr. Fleischner. Under his direction also the publications of the Arundel Society have been catalogued, and card catalogues with brief entries have been made, or are in progress, of the Parker, Ticknor and Thayer collections, as also of works on the Fine Arts and Useful Arts. The titles are transcripts from the cards in the general catalogues, or are cut from the catalogues printed in volumes.

A card catalogue of the current newspapers has been prepared by Mr. Blaisdell, and he is preparing such a catalogue for the Patent Collection.

Branch Catalogues.—The cataloguing of new accessions hitherto done independently at each branch is now done at the Central Library, as explained above. A card catalogue has been prepared for the West End Branch, and a finding list of new books for the Roxbury Branch. At the branches, also, however, some 5,000 volumes have been catalogued, involving the writing of three times that number of cards. Some 13,000 cards (10,557 at Roxbury) have been written in revision of the branch card catalogues.

RECOMMENDATIONS FOR BOOKS.

The methods pursued by me in formulating my lists of books for purchase were detailed at length in the special report submitted by me May 29, 1896. The catalogue department is more than any other called upon to report to me recommendations. Periodicals containing book lists or reviews (50 or more in number), library catalogues, publishers' cir-

culars, booksellers' sale catalogues, and other bibliographical publications are assigned to members of this department and are examined by them and reported upon. The addition to the staff of Mr. John Murdoch brings to this work an educated judgment in scientific literature which has hitherto been wanting. Mr. Murdoch entered the service less than three months ago, and has not yet, of course, proceeded far with his examination of the material in this library and in the libraries of this vicinity of which he is to make special study with a view to proper differentiation in purchase. But, at my request, he has drawn a preliminary memorandum of the principles by which, in his opinion, we should be guided in our purchases of scientific literature; and this memorandum, submitted with the report of the chief cataloguer, I have had manifolded and place in your hands, together with certain other of the reports submitted by the departments, which are specially deserving of your attention, but which I cannot quote at sufficient length in a report intended for publication.

The main portion of the report of the chief of the catalogue department appears above, many of his statements as to the operations of the department being quoted verbatim.

PUBLICATIONS.

On Feb. 7, 1896, the office of editor of library publications was created, and Lindsay Swift of the catalogue department appointed to it. It ranks as a division of the catalogue department, under Mr. Whitney. During the past year the following publications have been issued under supervision of this editor:

Date.		Pages.	Size.	Edition.	Price.
1896.					
March.	Rules and Regulations.	16	16mo.	10,000	Free.
April.	Selected List for Younger Readers,	38	24mo.	4,827	One cent.
July.	Finding List, Roxbury Branch. . .	29	sq. 16mo.	1,021	Free.
October ...	Trustees' Manual.	69	sq. 16mo.	50	
October ...	Rules and Regulations, Revised. . .	16	sq. 16mo.	10,443	Free.
June, 1896,	Monthly Bulletin, Vol. 1, Nos. 1-10, (Of No. 10 an edition of 8,000 copies.)	176	8vo.	5,000	Free.
to January, 1897,		16	8vo.	5,000	Free.

The Monthly Bulletin takes the place of the Quarterly, the last number of which was issued in January, 1896. The

Quarterly was issued in an edition of 1,800 copies, and priced at 5 cents per copy to residents of Boston, 25 cents per copy to non-residents. The Monthly, as appears above, has been issued in an edition of 5,000 copies for free distribution, a charge of 25 cents per year being made where it is mailed to outsiders not on our exchange list. The Monthly Bulletin differs, however, from the Quarterly of recent years, in being primarily a record of *accessions* to the Central Library during the month preceding its date of issue. The Bulletins of the past year have, however, contained the following special lists compiled from the general catalogue:

Bulletin No. 1-4, Transvaal and the Boers.

Bulletin No. 1-6, Index to Lists in Quarterly Bulletin.

Bulletin No. 7, Selected list of books on the Currency Question.

Bulletin No. 10, List of English Translations of works of Dumas the Elder (of this list 1,000 copies were reprinted, also for free distribution).

These lists, so far as of books, have not attempted to be complete bibliographies, but merely selections of titles by way of suggestion. (A similar list was prepared for the Boston papers of works on the Venezuelan boundary dispute. This was afterwards printed by the library as a broadside.)

The Monthly Bulletin begins with January, 1896. But the first four numbers were issued as one in June, 1896. This bulletin, like the other publications mentioned above, has been set up upon our linotype machine and printed in the Library Printing Department. The "slugs" have been retained, and are being regrouped as matter for an "annual." This will consolidate the monthly issues in one classification. But with reference more especially to popular use it will omit titles of less active or continuing interest, or of which otherwise it is sufficient to have had a publication in the Monthly Bulletin. It will, therefore, be designated as an "Annual Selected List" of additions to the library rather than as an Annual Bulletin. This experiment of consolidation with elision and reclassification was a serviceable test of the economy of the linotype as applied to library uses. The chief of the Printing Department estimates that the proportion of slugs already cast that could be used as they stand as against new composition has been as five to one.

Publications in the hands of the printer pending February 1, are:

The Consolidated Serial List (96 pages, delivered; complete to Index).

The Annual Selected List (more than half done).

Selected List for Younger Readers — revised edition incorporating 125 additional titles, with some excisions.

A pamphlet, descriptive of the Chamberlain Autograph Collection. This has been in preparation for some months upon the basis of material submitted by Mr. Edwin M. Bacon, specially employed for the purpose. It will reach about 100 pages in print.

PRINTING DEPARTMENT.

I submit in full, for your examination, the report of the chief of the Printing Department. The equipment of the department now comprises 2 Mergenthaler linotype machines, 1 Hoe stop-cylinder press, 1 job press, a proof press, slug planing machine, job and body type, cabinets and the other usual furnishings of a printing-office. All of the above equipment has been bought outright by the library, save one of the linotype machines, which was taken on rental June last, with option of purchase at the end of one year, rent paid being applied. Assuming this bought, the equipment of the department represents a total investment of about \$13,000.

The present force of the department comprises, besides the chief, two linotype operators, a pressman and a feeder.

We have not yet statistics of a full year's work with the above equipment and force. It is not wise, therefore, to attempt inferences as to the economy of this system of managing the library printing as against outside contract and ordinary composition. The *convenience* in our undertakings of a plant specially planned for our needs, and installed in the library building hardly needs demonstration. Our Printing Department not merely takes prepared copy and puts it through the stages of composition and presswork; it furnishes to us an expert printer whose judgment may be called in at every stage of *preparation* of copy. This counsel may, and does, modify in directions of economy and serviceability the publishing enterprises of the library. But considerations of this sort may better be deferred for a later report entering into the subject in detail with adequate data from experience.

A chief interest of the past year has been the solution of certain problems involved in the adaptation of the linotype to the uses of specialized cataloguing. Hitherto the machine had been used chiefly for newspaper work; we have had to impose upon it the task of handling from 30 to 40 languages and dialects. This meant the contrivance of nearly 300

accents and special characters. A type was specially made for us by the Mergenthaler Company, from a design submitted by Mr. Lee, and the accents have been contrived in large part by the use of diacritical marks, forming piece accents, which are inserted in a groove upon the slug itself, thus avoiding the ill appearance of this device as usually employed with type. As this library is in effect the pioneer in the use of the linotype for this kind of work, these experiments are of a very general importance.

The output of the department now includes all the printed work of the library, except that from engraved plates. During the past year it has included all of the publications named above; a Manual of House Rules, 16 pages, in an edition of 500 copies, and the press work on a reprint from the Bulletin of the list of works in the Russian language. But this is but part of its work. Twelve thousand seven hundred and sixty-two titles, representing at least 100,000 cards have been printed for the Card Catalogue; (the composition of these card entries keeps one linotype busy almost continuously); about 2,250,000 call slips (of ten kinds), 600,000 pieces of other currently consumed stationery of over 100 varieties, 30,000 circulars, besides blank books, signs, notices, etc.

REGISTRATION.

Appendix VI. relates to the card-holders in this library. The first table gives the statistics of registrations in the old form. The other tables go much further. Starting with the cards outstanding Feb. 1, 1896, classified according to the department of the library (Central or Branch) through which they were issued, it details the number of Registrations, New Registrations and Renewals during the year, and comparing these with the number of cards expiring by limitation, deduces the number outstanding Jan. 31, 1897. In addition, attempting to fulfil the promise of our last report, it classifies by sex, age, and occupation, and by ward, the 43,345 persons who are active card-holders Jan. 31, 1897. It also shows the percentage which the number of card-holders in each ward bears to the total population of that ward.

By these tables it appears that the number of active ("live") cards outstanding Jan. 31, 1897, was 43,345, as against 34,842 outstanding Feb. 1, 1896, showing a gain of 10,764 card-holders during the year. This means that on

Jan. 31, 1897, 30 $\frac{3}{16}$ % per cent more persons stood qualified to draw books for home use than stood qualified on Feb. 1, 1896.

In proportion to population, Ward 10 furnishes the largest percentage of card-holders; Ward 6 the smallest. The census tables are not yet prepared which would enable us to compare the proportion of card-holders of the several occupations with the number of inhabitants engaged in these occupations respectively. Possibly our next report may contrive this. The present tables, especially those of distribution by ward, may indicate in a measure to what districts effort needs most especially to be directed.

The number of Teachers' Cards issued from September, 1895 (when this privilege was instituted), to Jan. 31, 1897, was 1,213. Of these, 795 are "live" cards on the latter date. 629 of the 795 are held by resident teachers; 166 by non-residents (whose qualification, however, is that they "give instruction in an institution of learning in the city of Boston"). The 1,400 non-resident "students" who hold cards are attending Boston schools or colleges (*e. g.*, the Harvard Medical School, Boston University, the Institute of Technology), whose authorities have filed a bond of indemnity for any loss sustained by the library through this use.

USE OF THE LIBRARY.

I have had manifolded and submit for your inspection the reports in full of the following officials who have the conduct of departments directly serving the public: The Custodian of Bates Hall, the Custodian of the Special Libraries Floor, the Chief of the Issue Department, and the Supervisor of Branches and Stations. The last-named official took office only on Dec. 1, 1896. His report, however, comprises the work of the year so far as it may be made matter of statistics, together with certain general observations upon the condition and conduct of our outlying departments as he has examined them during the past two months.

As regards statistics of use, I should repeat the caution advanced in my last report against an assumption that these statistics represent the work of the library. As there stated, there are in the Central Library alone over 100,000 volumes which may be handled without the formality of a call-slip. In each Branch and Reading Room, and now in almost every Delivery Station, there are hundreds of other volumes which are similarly treated. The current periodi-

cals in the Central and Branch Libraries and Reading Rooms are for the most part on open tables, where they also may be handled without the intervention of an attendant.

Of all this use no record is kept. There is a recorded hall use, consisting of books issued upon slips from the closed stacks. Omitting, however, as they do, the important unrecorded use, these figures are so misleading that I have directed them to be omitted altogether from the tables. These tables indicate, therefore, merely the number of volumes drawn for "home use" during the year. This is to be remembered when a comparison is made between the "circulation" of this library and the "circulation" of libraries which include in their gross returns the number of books and of periodicals used in the Reading Rooms.

In preceding reports mention has been made of delays incident to the issue of books. That the number of these has been greatly reduced is due thus far to the efficiency of the service in the Issue Department in offsetting inconveniences of architectural plan, of equipment, and of classification, and imperfections in the present catalogues and shelf-lists. The classification is being improved by the relocation of certain material, the defects in the catalogues and shelf-lists are gradually being remedied (a complete remedy, however, being a matter of months still to accomplish). But the inconveniences in architectural plan have not yet been dealt with. Until inter-communication be contrived between the stacks, additional book (and freight) elevators be provided, and the space for the work of issue be made really adequate; or the work of issue be sub-divided by the removal of the "home use" issue to some other point, it is impossible to expect that delays will be even considerably avoided. Meanwhile, the service itself in the department is competent, faithful and assiduous. And while delays must still occur, this may at least be said: that *no reader using the forms and remedies prescribed need even now suffer delays either prolonged or repeated.*

REARRANGEMENT.

For convenience of administration certain changes are to be made in the location of the books in the Central Library. The Parker Library will be transferred to Stack 6, from which the books much called for may be issued more readily to Bates Hall; and all the Federal documents, together with those of the Commonwealth of Massachusetts and the City of Boston, are to be grouped on the Special Libraries floor.

SUNDAYS AND HOLIDAYS.

As stated above, the Central Library, which has regularly been open on Sundays from 2 till 10 P.M., in all departments directly serving the public was during the past year kept open during the same hours on four of the legal holidays. The experiment has been a marked success, the number of readers and of visitors equalling that on Sundays. The Sunday use in the new building is partially indicated by the average of books issued, — being 1,334 for the eight hours, as against an average of 1,780 for the thirteen hours of the secular day. The number of readers at any one time reaches its maximum on a Sunday afternoon between 3 and 5 o'clock. The number of visitors had been expected to fall off as the new building ceased to be a novelty. But it has persisted undiminished. On the one Sunday during the past six months on which a count was taken, 5,699 persons entered the doorway between 2 and 6 P.M. The average number per Sunday during the past two years cannot have fallen short of 3,000.

The holiday showing the largest use was Washington's Birthday, on which the recorded issue alone was 3,052 volumes. April 20, May 30, and November 26 stood about on a par.

The only branch open on Sundays throughout the year was the West End. Here, also, the use was ample justification.

There are three other branches whose location should seem similarly to justify expectation of a large Sunday use. These are Charlestown, East Boston, and South Boston. An experiment was accordingly made during seven Sundays of the past year. It cannot be said to have been a complete success. The number of readers averaged in the case of Charlestown 90; in the case of South Boston 101 per Sunday. The number at East Boston (where the record was not so accurately kept) was less. Of the total of 634 persons at Charlestown 264 were children; of the total of 706 at South Boston 542 were children. On the other hand, the experiment was undertaken at a season of the year (March 15 to April 26) least promising success; for the natural tendency of spring-time is to diminish rather than increase the indoor use of books. These branches while fairly located as regards district are unfortunately situated in being in each case upon the second floor, where the hospitalities they extend are less obvious to passers-by.

The expense of the undertaking did not exceed \$60 per Sunday for the three branches. Should our funds permit I shall recommend that it be resumed beginning Oct. 1, 1897.

I. — REFERENCE USE.

As stated above, this report will not attempt statistics of reference use. I must content myself with the general assertion that this use is steadily enlarging in volume and advancing in apparent definiteness of purpose. The custodian of Bates Hall calls your attention to what he deems a symptom of the latter advance. To look in at this main Reading Room and see the large majority of over two hundred readers busy with note books is, in fact, to get an impression of serious industry.

The report of the custodian of the Special Libraries shows a special development in another direction: the systematic and premeditated use of books on the Fine Arts in connection with lectures, classes and topical work generally. Mr. Fleischner, the custodian, invites information in advance of subjects to be taken up, and prepares a set of references, or has ready to display the particular books needed for illustration. His report gives a list of the groups of persons who during the past year have availed themselves of this invitation. In many cases the lecture itself is given here on the basis of the books displayed. February 6 (a date subsequent to the date of this report but which I select as convenient to show recent conditions) is a favorable example of a Saturday in this department. On this day various members of the course of lectures on art being given by Mr. J. F. Hopkins, a class in the Boston Art Students' Association, a class in the subject of the Renaissance, two classes (from the public schools) in Ornament, a club reading on the subject of French Chateaux, two classes from private schools studying the Art of Rome, and one studying the Art of Greece—in all, some two hundred and fifty persons made use of the reference books, plates, photographs, etc., thus selected and set aside for them in connection with subjects of definite inquiry.

Mr. Fleischner has for some months arranged in the Barton-Ticknor room a weekly exhibit of photographs of interest not merely to the special student but also to the general public. The following programme, arranged for the coming few weeks, will indicate the range already deemed feasible for such exhibits:

February 15–29. Issues of the Kelmscott Press.

February 22. Washington Portraits.

February 20.	Saracenic Art,	} In connection with the lectures by Mr. J. F. Hopkins, Director of Art in the Public Schools.
February 27.	Cathedrals,	
March 6.	Renaissance,	
March 13.	Copley square,	

March 20.	Florentine Sculptors.
March 27.	Florentine Architects.
April 3.	Industrial Arts (in connection with the Arts and Crafts Exhibition at Copley Hall).

In connection with such exhibits the Graupner collection has rendered essential and convenient service. In many instances (*e.g.* the Kelmscott exhibit and that of the Washington portraits) the material in the library has been supplemented by courteous loans from private collections.

The activities of this department are not confined to books upon the Fine Arts. The other use has not, however, advanced materially beyond that of the preceding year. The use of the Barton-Ticknor, and other special collections, is a highly specialized use. So, also, is that of the Allen A. Brown Library of music, the resources of which cannot be fully exhibited until the completion of the catalogue. In the department of the Industrial Arts, however, a developing use was expected, similar to that in the Fine Arts. It has not yet taken place. We trust that the Arts and Crafts Exhibition may stimulate it. And it is to take advantage of such interest as this exhibition may arouse that Mr. Fleischner is arranging for a special display of material from April 3 to 10.

ACADEMIC USE.

It is a fact, not perhaps generally appreciated, that to certain of the higher institutions of learning in Boston and vicinity the Boston Public Library is, in effect, a university library. It is such in an auxiliary way even to Harvard University; and it is such in a very important sense to Boston University, the Institute of Technology, and other Boston colleges and academies, and even to outside institutions, such as Wellesley College. Not that these institutions lack efficient libraries of their own, but the accessibility of the Boston Public Library relieves them from the purchase of much specialized material which their funds cannot well afford. Even Dartmouth College has recently sent a class of students for systematic research in one of our departments.

NEWSPAPER READING ROOM.

This room now contains 318 newspapers, of which the greater part are purchased from the Todd fund — the remainder gifts of the publishers; 111 are papers published abroad; 207 are papers published in the United States; 85

are in languages other than English. On the average, 225 papers are received every day.

The use of the room is assiduous. The largest number of readers noted at any one time has been: reading the American papers, 139; reading the foreign, 53. The maximum of readers in the room at any one time reaches nearly to 200.

Of the papers taken the following are bound:

The "New York Tribune."	"Le Figaro," Paris.
The "Chicago Inter-Ocean."	"Allgemeine Zeitung."
The "Atlanta Constitution."	"Kölnische Zeitung."
The "London Times."	The "Japan Weekly Mail."
The "London Gazette."	The "North China Herald."

PUBLIC STENOGRAPHER AND TYPEWRITER.

Early in the year accommodation was furnished in the building to a public stenographer and typewriter, whose presence here has been a convenience to the library as well as to the public. Apart from her local work, she has been called upon to make copies and abstracts for inquirers living at a distance. There is now about to be installed in the building a *Public Pay Station Telephone*, which will be in her charge.

II. HOME USE.

Appendix VII. gives the number of books circulated for home use during the past year from each department of the library, compares this with such circulation for the year 1895, and tabulates the circulation of Branches and Delivery Stations for the seven years beginning with 1890 and ending with 1896.

From these tables it appears that the circulation for home use in 1896 (12 months), compared with that for 1895 (13 months), is as follows:

	1895.	1896.	Gain, 1896.
Central Library (including Central Library books issued through Branches and Stations)	279,494	326,254	46,760
Branches and Stations (direct issue)	567,827	678,765	110,938
	847,321	1,005,019	157,698

or eighteen per cent.

The issue direct from the Central Library increased from 251,561 in 1895 to 285,560 in 1896. Sixty thousand one hundred and seventy-three volumes were issued from the Children's Room at the Central Library. A comparison of nine months of 1896 with nine months of 1895 shows an increase in the issue from this room from 28,342 volumes to 45,873.

The increase in the circulation through outlying departments is accounted for by the establishment of the West End Branch and of new Delivery Stations and by the addition to the stations of the Deposit feature. As stated above, all of the stations, save two, now have Central Library books (from 300 to 500 volumes each at one time) on deposit, which may be drawn direct, without the delay of an application to the Central Library. The aggregate of such issue during the past year has reached 65,803 volumes.

An analysis shows that the increase in the circulation of the stations has come at the expense of the branches, the circulation of which has in every case, save that of Brighton, fallen off from 1895. The decrease is, to be sure, in part accounted for by the discrepancy in the periods compared (the statistics for 1895 being for 13 months). This is not, however, sufficient explanation of the decrease of 19,000 volumes at the South Boston Branch. The Custodian thinks that an adequate explanation lies in the increased attractiveness of the branch for reference use on account of the institution of open shelves. Similar results are so naturally to be expected of improved facilities for reference use, wherever instituted, that I am surprised that the circulation from the Central Library has increased rather than diminished.

The increased activity of the stations has been induced by the change in compensation of the custodians from a fixed sum per annum to a sum dependent upon the number of volumes handled. The new method makes it their interest to interest the local constituency, to provide ample and attractive accommodations, to advertise these, and to win popularity for the station by adequate and attentive service. The library pays to each custodian upon this relative basis more than it did upon the fixed. But it gets more — it gets a distinct section of the store — in some cases a room twelve to fifteen feet square; it gets space for shelving and furniture, and it requires a service in the charging of books, the sending of fine notices, etc., such as was not exacted under the old system.

There must not be overlooked, however, one disadvantage in the present method. The compensation is based upon

the number of books circulated without regard to their character. The more popular the book, the more quickly it may be read and returned for reissue, the greater its profit to the custodian. The demand of the custodian in the deposit collections is therefore an increasing demand for the lighter fiction. This tendency interferes with one purpose which we had had in instituting this system of deposits—to raise the character of the reading by rendering locally accessible in these collections books of a serious nature which might be examined without formality and drawn without delay.

To pay one rate of compensation for fiction and a higher rate for other literature may not prove impossible.

A more satisfactory solution may prove to be to limit our contract with the proprietor of the store to a fixed sum for the accommodations provided, and to place in charge of the station a library employee on our regular pay-roll. The cost of this method would undoubtedly exceed that of the present one, unless the hours (now practically the full business day and evening) should be so reduced that one attendant, at a low salary, could manage the entire issue.

The Supervisor's report contains an analysis of expenditures for these outlying departments, and among other figures a computation of the relative cost of circulating each volume issued by the branches as against the delivery stations. In this computation he makes the worst case possible against the branches, in assuming that the entire cost of maintenance is to be charged against the circulation for home use. Even thus, the result is to show that during the past year each volume circulated from a branch has cost us but 6 7-10 cents as against 5 cents for each volume circulated through a station. And it must be noted that a branch library performs other functions (*e.g.*, reference and reading-room use) not taken account of in this. On the other hand, it must be remembered that but two of our branches pay rent for the rooms they occupy, while of the cost of the delivery stations a percentage is in each case chargeable as rent.

The computation goes, however, to disprove the impressions of recent examining committees that the branches represent a greater expenditure for the work done than do the stations. In the case of one station it cost the library 22 cents for each volume circulated during the year 1895, and even 15 cents for each volume circulated during the year 1896. The increase in the number of volumes circulated has steadily reduced the cost per volume during the past three years. But even at 5 cents, it is 2 cents per volume more than the cost to the Chicago Public Library of its outlying

circulation. The remedy is not to reduce the facilities for issue, but to increase the number of books issued.

TEACHERS' CARDS.

Eight thousand and forty-seven volumes from the Central Library have been drawn upon teachers' cards during the past year. During the first year of the use of these cards (ending Oct. 1, 1896,) the issue upon them from the Central and branches together amounted to 8,994 volumes. These are classified by subject in the report of the chief of the issue department.

INTER-LIBRARY LOANS.

The report of the Issue Department shows also 63 books loaned to other libraries upon their special application. It is for other libraries of Massachusetts that such loans are more particularly designed. They have the special claim that we owe to the Commonwealth part of the land on which this building stands. But it might be said that as the Boston Public Library, more nearly than any other, stands for New England as a whole in the material it attempts to accumulate, so it may justly serve New England, as a whole, in so far — (1) as this service is one that cannot be performed except by it, and — (2) as this service may be rendered by it without inconvenience to the citizens of Boston, at whose cost it is maintained.

In May last a system of blanks was devised for conducting these inter-library loans. These blanks are furnished by us to such libraries as may be interested. The applicant library agrees to be responsible for the care of the book, and to submit to a reasonable penalty in case of its loss or mutilation. But the whole system is subject to the following limitations: (1) the book asked for must be one out of the ordinary course — not such as it is the ordinary duty of the applicant library to supply; (2) it must be required for purpose of serious research; (3) it must be a book which may, without injury, be sent by express; and (4) it must be a book which may be spared, for the time being, without inconvenience to our local readers.

SERVICE.

The service has sustained several losses by death during the past year. On February 18 died Mary E. Brock, Custodian of the Brighton Branch. She had served the library faithfully for twenty-one years. On September 16 died

Charles G. Russell, assistant in my office. Mr. Russell entered the service on Dec. 4, 1895, so had been with us less than a year up to the time of his death. But within this short period he had gained thorough respect among his associates for good judgment, a manly conscience as to his own work, and a considerate regard for that of others. On October 19 died Henry W. Powers, who had been in the library service since Nov. 12, 1890; at first in the Janitor Department, later as an engineer in charge of our book railways. In October Sarah C. Godbold, Custodian of the East Boston Branch, tendered her resignation, which took effect December 1. No custodian has yet been appointed in her place.

The reorganization of certain departments of the work at the Central Library involved the discontinuance from January 1 of three employees who had been long in the service: Mary A. Jenkins, Caroline E. Poree, and Edward Tiffany. The necessity which led to this was a matter of extreme regret.

OTHER CHANGES IN THE SERVICE.

Mr. Carret, who had never fully recovered from the ill-health which obliged him to ask for leave of absence in the spring of 1895, last fall requested to be relieved of the conduct of the Shelf Department, and transferred to special work. On Jan. 1, 1897, the change was made, and the Shelf Department placed temporarily under the supervision of Mr. Whitney, Chief of the Catalogue Department.

ADDITIONS TO THE FORCE.

On May 4 (Mrs.) Gertrude P. Sheffield was appointed to take charge of the Children's room at the Central Library, with general advisory supervision over the literature for younger readers in all our departments. On June 23, an open examination was held to fill the vacancy in the custodianship of the Brighton Branch, caused by the death of Miss Brock. As a result of the examination, Harriet Rice of Brighton was appointed for a probationary term, beginning August 1.

On October 1, Philip H. Savage was appointed Librarian's Secretary, this title then being attached to the position formerly held by Mr. Russell.

On November 16, John Murdoch was appointed for special service in connection with our departments of scientific literature. Mr. Murdoch's scientific training and his experience

as librarian (during a period of five years) of the Smithsonian Institution promise assistance in a direction in which expert opinion had been lacking from our force.

On December 1, Hiller C. Wellman was appointed Supervisor of Branches and Stations. This office is a newly created one. Its purpose is to unify our outlying system, to strengthen the collection of books, to improve the equipment, and to introduce uniform and more modern methods of administration. Its further fully as important purpose is to bring the branches and stations into closer touch with the Central Library, and so to improve the system of distribution that the books in the Central Library may, in fact, as they are now in name, be made to serve the city as a whole.

Including the five appointments above particularly described, there have been 38 appointments to the service during the past year, a large proportion of these to fill vacancies. They may be classified as follows:

	Central Library.	Branches.
Supervisor of Branches	1	
Librarian's Secretary	1	
Grade A, Special	1	
Grade B	4	
Grade B, Special	3	
Grade C	—	1
Grade C, Special	2	1
Grade D, Special	1	1
Grade E	13	1
Ungraded, { Engineer's, } { Binding, } Departments .	8	
{ Printing, }	—	—
	<u>34</u>	<u>4</u>

Promotions (*e.g.*, from grade E to grade D) are not included in the above.

Seven general and six special examinations were held during the year, at which 351 papers were handed in. Of the 351 applicants, 125 were male and 226 female.

On February 7, grades B Special and C Special were made three-year grades. On February 28, the grade of the branch first assistant was altered from D Special to C.

I may again call attention to the reports of the several chiefs of departments, submitted with this. Each contains data concerning interesting details upon which I cannot enter here. Appendix VIII. gives the list of trustees for 45 years; Appendix IX. of examining committees; Appendix X. the by-

laws, as revised to date; Appendix XI. the schedule of library service corrected to 1897; Appendix XII. statement concerning the system of graded service; Appendix XIII. correspondence relating to gifts; Appendix XIV. the list of gifts and givers.

An institution such as this presents so many aspects of service to be rendered that perfection cannot be hoped; the variety of the opportunity multiplies the risks of imperfection. In a document intended for the public my inclination is always to abstain from commendation of associates who may, equally with the chief executive, be presumed to have the interest of the service at heart. But I have often occasion to regret that I cannot share with the public the knowledge which I gain (as no one else can) of the earnestness, conscience, good faith, and high endeavor which enter into the work of employees of this library who get general credit for no more than the routine performance of routine duties.

Respectfully submitted,
(Signed) HERBERT PUTNAM,
Librarian.

FEB. 1, 1897.

REPORT OF THE EXAMINING COMMITTEE FOR 1896.

To the Trustees of the Boston Public Library :

GENTLEMEN: The Examining Committee was organized at a meeting held Oct. 2, 1896, by the choice of John E. Hudson as Chairman, and Miss Heloise E. Hersey as Secretary. The usual sub-committees, made up as follows, were appointed:

<i>Books.</i>	<i>Branches, and New Modes of Distribution.</i>
Barrett Wendell, <i>Chairman.</i>	Borden P. Bowne, <i>Chairman.</i>
George M. Garland.	Helen Cheever.
Leighton Parks.	John J. McNulty.
<i>Catalogues, Bulletins and Finding Lists.</i>	<i>Finance.</i>
Caleb B. Tillinghast,	Everett W. Burdett,
<i>Chairman.</i>	<i>Chairman.</i>
Emma Hutchins.	Joseph J. Corbett.
Azariah Smith.	John L. Bates.
<i>Administration.</i>	
John E. Hudson, <i>Chairman.</i>	
Heloise E. Hersey.	
Hasket Derby.	
Caleb B. Tillinghast.	

The reports of the sub-committees have been received and considered by the full committee, who beg to report.

The vital point of the connection of the library with the daily needs of the public, and the one that needs to be fashioned and lubricated until the highest possible degree of efficiency is reached, is the placing of the books called for in the hands of the reader within the shortest possible time after the call is indicated.

Allowance must always be made for the delays necessitated by the erroneous and imperfect filling out of the call-slips, for the unreasonable complaints due to the nervous impatience of the patron, and for the delays and displacements which can

never be wholly prevented in a large library where the call slip and the book must pass through several hands. Criticism in this matter can never be wholly eliminated, but every complaint should be immediately and carefully investigated, not only to soothe the particular case, but to prevent, if possible, a similar complaint in the future.

The paramount reason for such criticism as may be well founded may doubtless be traced to the youth and inexperience of those employed as runners, and the small compensation paid them. Economy at this point involves the most serious inconvenience and irritation to the public. Until more money can be devoted to it, the greatest responsibility rests upon the executive authorities to devise every means to give life and spirit to this department of the library work. The superintendent of this force should be alert and decisive, and capable of commanding the constant and complete activity of every employee. Carelessness or inattention should lead to prompt dismissal, and, if possible, some means of reward should be devised for those who manifest exceptional promptness, intelligence and care. The attention of the trustees is called especially to this subject as one which affects every patron of the library, and to the fact that every second of time saved in the delivery of books saves valuable time to the reader, removes a most frequent cause of complaint, and objectively impresses the people with the efficient and business-like methods of the administration of the library.

Occasional intimations to the effect that the ventilation of the library is imperfect, more or less frequently found in the columns of the daily press, and referred to among the public, have again caused the attention of the committee to be directed to this subject. And they are bound to say that, not only has last year's state of things been greatly improved upon, but that the air in all parts of the building has, with a single exception, been found singularly good at each visit. In the corridors, the reading, newspaper, and delivery rooms, and in Bates Hall, remarkably little closeness has been observed. Even in the little gallery above the central entrance to the latter room, no foul air has been met with. We are inclined to attribute the criticisms on the ventilation to one of two causes; either the fact that on the days complained of the delivery and exhaust fans were not in running order, as has occasionally been the case, or else the presence of such a throng of visitors as occurs on Sunday afternoons. A system of ventilation, sufficient and satisfactory under ordinary circumstances, would here be apt to prove insufficient.

As in most buildings, the bad air of the library is met with at the top. In the upper corridor, between the special collections, where the Sargent pictures continue to attract multitudes of sightseers, the atmosphere is, especially on Sunday, vitiated and oppressive. No ample outlets have yet been provided for the escape of foul air. As was stated last year, such outlets, connected with the exhaust fan, which is so near at hand, would cause a great change to be wrought, and remove one of the reproaches of this magnificent structure.

The location of the retiring-rooms for men and women in the front lower hall, hard by the main entrance, their constant use, and, on crowded days, the almost ceaseless opening and shutting of the doors, is a distinct sanitary evil, only to be remedied by placing these offices in the back of the building. But one abuse connected with the existing state of things admits of a ready correction. We refer to the lavatory arrangements. In the men's retiring-room is a series of basins for washing, and hanging to the wall behind them are two large roller towels. The crowd that, on certain days, uses these chambers must be seen to be appreciated. People await their turn in rows, and for hours together there is no abatement in the throng. The basins are in much demand, and the towels are perforce changed four times a day. There are few more certain methods of disseminating disease than a public towel, and the present system should be immediately and finally abolished. It would be better to wholly dispense with the lavatory than to expose its frequenters to the risks they here encounter. Either the basins should be removed, or separate towels, not necessarily of large size, be furnished each individual. No question of expense should be allowed for a moment to stand in the way of this reform.

We are glad to find that lights are to be supplied the tables in the lower reading-room, as such are much needed. In the Newspaper room a considerable improvement in lighting has been effected by supplying the central stands with properly shaded lamps. The tables were already thus provided. But the old fixtures around the walls of this room should be discarded. Originally introduced for the purpose of general illumination, when it was intended to use this as a lecture hall, they are entirely unfitted for reading purposes, being destitute of shades, having their light in part cut off by a projecting flange or collar below the lamp, and shining down on the eyes of the reader, who is obliged to face them. Proper reading lamps, substituted for these now

used for a purpose for which they were never intended, would worthily complete the equipment of a room that is, in other respects, unequalled in kindred institutions.

The use, and the constantly increasing use, of Bates Hall, confirms the committee in the impression expressed in their report of last year of the need of a general reading-room in addition to the special rooms dedicated to special subjects, or particular rooms to particular classes of people. The crowded state of Bates Hall and its obvious unsuitableness for the purposes of such a room, leads the committee to suggest that action be taken in the matter.

There seem to be but two means by which proper space for a reading-room can be secured; one is the purchase of adjoining land, the other is the use of the space now devoted to a court-yard. The great expense of the former plan makes the latter seem the wiser. The committee would accordingly recommend that the Trustees proceed at their convenience to consider the advisability of the conversion of the court-yard into a reading-room.

During the last year manifest improvements have been made in the children's room. More books have been placed there, and an attendant is always ready to study and supply the wants of the children. Some good pictures have been hung on the walls, and the air of cheerful hospitality is noticeable. Much, however, still remains to be done. Books should be added rapidly till not a vacant place remains on the shelves. When new books call for more room, it should be obtained by the removal of the volumes which experience shows are least used. In no part of the library is it so necessary that there should be active life and variety.

It would be practicable that a large table should be loaded with books, maps, and pictures, illustrative of subjects of current interest. Children learn more quickly than adults from suggestion, and no device should be neglected to lead them early into the delights of substantial reading. The cheap papers and novels spare no pains to attract children, and, unless the library is prepared to cope with these foes of good taste, it will lose its hold upon many boys and girls at the most impressionable age. Especially is it advisable that books with many pictures should be ready to the hand of children. Many a book which seems to an adult over the head of a twelve-year-old boy will be found intensely interesting to him when he has once been beguiled by illustrations into beginning it. For example, books on Cuba, or on Constantinople, or on modern Athens, might well be laid within reach of the children at the present moment, and,

even if they were slightly injured by the use made of them, they would be doing service of a sort to make good citizens.

The plea may again be entered that there should be a fine, large modern globe in the children's room, and that a map of the United States should be hung in a conspicuous place in the room.

Fifteen-minute talks on books, given by men and women who knew how to talk about literature, would be an invaluable adjunct to the work of the children's room, and would certainly attract even more children to the library on Saturdays.

In regard to the buying of books, the committee beg to say that they think the present management of such matters is highly satisfactory.

The report of the Librarian, concerning the purchase of books, submitted to the Trustees on May 29, 1896, which they have examined, they heartily approve. They believe that, as is therein suggested, it might be to the advantage of the library if accredited representatives could, from time to time, be sent abroad with the view to making purchases which should increase the collections of rare and valuable books. They repeat, however, their suggestion of last year, that such purchases should be made either from the income of invested funds or from special grants. The regular grants of the city, they believe, should regularly be devoted and confined to the more popular purposes of the library, as defined in last year's report.

In view of the possibility of sudden emergencies, such as the unexpected opportunity to purchase, at short notice, considerable collections which delay might lose, they would suggest, in this connection, that a permanent reserve fund might be granted by the city, which would sensibly add to the resources of the library.

The committee fully approve a principle which they understand lately to have governed the action of the Trustees; namely, that the Public Library should accept no gifts if so hampered with conditions as in any way to interfere with their use for library purposes, as distinguished from the purposes of a museum. They are of opinion that, in all policy, the Trustees should consider that the Public Library is a library instituted first for the citizens, and secondly for the scholars of Boston. Any other purposes should always be held subsidiary to these.

The committee would suggest that the practical value of the collections of the United States patents would be greatly increased by the purchase of a duplicate set of drawings,

which might be so arranged as to render the consultation of the documents now in the library a far more easy matter than at present. This purchase, so obviously useful to citizens, devoted to mechanical inventions, might properly be made the object either of a special grant by the city or of a judiciously solicited gift.

In all its essential features the method of cataloguing now employed in the library commends itself to the committee as productive of good results for the amount expended for this purpose. A more systematic unification of the purchases for the branches, which is now in contemplation, together with the printed linotype card, will prove of great economic importance. It will be readily seen that, as copies of the same book are placed in each branch, the labor and expense will be minimized when a duplicate printed card from the Central Library does away entirely with the cost of cataloguing each copy separately at every branch in which it is placed. Few people probably realize the vast amount of work which is accomplished by the cataloguing department, and it is possible that still fewer fully realize how comparatively useless a large library would speedily become if this department were not maintained with the highest degree of promptness and efficiency. This demands the highest ability, the ripest experience, and most discriminating judgment, a quick sense of the scientific relations and the relative values of every department of human knowledge, and the most alert and efficient executive administration. This department of the Boston Public Library is well organized under an accomplished and experienced chief. It does excellent service, but there is more work that ought to be done than it can do. The allowance for its maintenance should be more generous, to the end that its bibliographical field may be extended, and that all the details of its work may be kept up to date, and fully abreast with the times.

The committee would repeat with still greater emphasis their recommendation of last year, that what was formerly known as the "lower-hall" catalogue, or a copy of it, should be incorporated in the main catalogue as speedily as possible, in order that the searcher who consults it may be sure he has before him in one index the key to the entire resources of the library.

Special card catalogues in the different departments of the library would be found very useful so far as it is practicable to prepare them. In a comparatively new department, like that of music, this would involve only the printing of duplicate cards at a merely nominal expense, and a special card

catalogue in any other department, when once established, could be maintained and continued in like manner.

The monthly bulletin of books added to the library has met with a moderate, but growing, degree of success, something like three or four thousand copies of each issue having been distributed to those who applied for them. It seems to the committee that it might be made more generally useful to those who desire to be guided to some good book to read, if two or four pages of each issue should be devoted to single-line titles of a good selection of recent books from the classes best adapted for general reading. Such a list would not be made up entirely of new books, nor would it attempt in any degree to exhaust the resources of the library in any particular direction. It should not be a stereotyped list. Each issue of the bulletin should see many changes in it, and books bearing upon topics of the day, of special interest, should find a place in it. It should be a live, suggestive, stimulating list of books, in which the ordinary reader would find some attractive title. The committee are of the opinion that it would be profitable to try the experiment of placing these bulletins freely upon the reading tables in the library, where every visitor would be at liberty to take one, without inquiring at the desk, as he is now required to do, and that the circulation of the bulletins through the branches and schools should be stimulated. If ten thousand copies instead of three thousand were circulated they would serve to multiply the number of readers, and increase the circulation of the best books in the homes of the people. It is also suggested that the nominal charge for the admirable list of books for the young be abolished, and that these lists be freely given to all children who desire them. Any tendency to wastefulness could be speedily detected, and checked by a little watchfulness on the part of the attendant in charge of the room.

The Newspaper room, with its collection of the daily papers of the principal cities of all sections of this country, and of the commercial centres of the world, is one of the most unique and progressive features of the library. Though it is well patronized, its importance is not so widely known and recognized as it should be. A public-spirited citizen has placed this mine of current information at the disposal of the people of Boston, and all who visit its Public Library. It has no parallel in the world. It should be made more useful, especially to the merchant and the "stranger within our gates." Here the visitor from any distant city or any foreign land can find the familiar daily paper which contains the

latest news from his home. The committee suggest that a list of the daily papers regularly received and on file in this room be neatly printed upon a card, with a general invitation to the people to visit the Newspaper room freely and consult them, and that copies of this card, in frames if practicable, be placed in conspicuous positions in all the railroad depots, and waiting-rooms in the principal hotels, in the rooms of the Chamber of Commerce, and other associations of business men, and such other public places as may seem expedient and desirable.

Both branches and stations are in something of a transition state at present. Many changes are making, and more are proposed. On these matters criticism would be either belated or premature. On other points the committee venture the following suggestions :

The condition of the East Boston Branch seems to the committee imperatively to demand attention at the earliest possible opportunity. This branch is unfortunate (*a*) in its room, which is dull and dingy by day, poorly lighted by night, and unattractive and ill-ventilated all the time ; (*b*) in its material equipment, both of books and furniture ; (*c*) in its surroundings, being over a municipal court room and opposite a police station ; and (*d*) in its location with reference to the centre of the population it is meant to serve.

Meanwhile, the circulation of 63,443 volumes during the past year places the branch fourth on the list, and shows the eagerness of the demand for books.

The committee recommend most strongly that a special appropriation be granted to re-locate and properly equip this branch. This is, in their opinion, the first and most important change to be undertaken by the Board of Administration with regard to the branches.

In the case of the South End Branch, the committee recommend that a deposit station be maintained in the present location in the basement of the English High School building, and that the branch be relocated somewhere near the Cathedral on Washington street. The branch has not suffered in circulation from the proximity of the Central Library. It ranks third among the branches as measured by circulation, and the inhabitants of the district are strenuous against any suggestion of its abandonment.

The re-location and a larger reading-room would greatly increase its efficiency.

The South Boston Branch has attractive quarters, well lighted and well arranged. The committee, however, raise the question whether the \$2,500 rent would not pay the in-

terest on the cost of a building which would give ampler accommodations and possibly be more centrally located. Seeing that the Federal Government is also paying a high rent for a post-office building, the committee suggest the query whether an arrangement might not be made with the Federal Government for a joint building which would accommodate both the library and the post-office. This has been done elsewhere.

The committee find the catalogues in need of renewal and revision at most of the branches. At the Roxbury Branch only three copies of the printed catalogues remain, and of these the two allotted for public use are soiled and tattered and the card catalogue is incomplete. Such a condition of the catalogue seriously interferes with the use of the library.

In most of the branches, also, the committee find a lack of shelf-room, and much of the shelving is so constructed as to be difficult to use. Books are put into the shelves with the front edge down, so that only the bottom ends appear. This leaves altogether too much to the imagination for the best use of the library.

There are also a great many unused books in the branch collections, books which are no longer called for, and only serve to fill up the shelves.

This matter of revising the catalogues, of shelving, and of unused books seems to the committee to be something which should be considered as a whole. The independent collections of the Roxbury and Charlestown branches might be catalogued by themselves; and then all the other books, both of these and of the other branches, might be treated in something like a common scheme.

In the judgment of the committee, it is desirable, before undertaking any revision of the catalogues or revising the shelving, to form some more definite policy concerning the branches than at present obtains. Owing to the lack of such policy, the development of the branches hitherto has been somewhat at random. The result is seen in the heterogeneous contents of the catalogues.

The committee venture suggestions as follows:

1. A branch should not be an independent library, but should be subordinate to the Central Library; and no work should be undertaken by the branch which is already adequately provided for by the Central Library.

2. It is not necessary that a branch should be a large library. It cannot be this without an unnecessary and costly reduplication of books.

3. It is desirable that the books in the branch collection should be as active as possible. Apart from an ample supply of periodicals, both popular and solid, the branch collection should consist of: (*a*), the fundamental works of reference; (*b*), a carefully selected set of juvenile books; (*c*), a collection of such books as are needed for coöperation with the work in the schools, and (*d*), a not very numerous collection of miscellaneous books for which there is a popular demand. Books other than these should be drawn from the Central Library. The purchase of new books for the branches should be made in accordance with these considerations.

4. Provision should be made for withdrawing from branches books which are no longer in demand. In this way the branch collection might be kept alive, and less shelving would be needed.

The revision of the existing collections could be done at the present time in connection with the necessary preparation of new catalogues, so as to be much less expensive than at any other period.

In connection with the new shelving required, the committee call attention to the established principle in library theory, that it is desirable that the readers, so far as possible, should be allowed free access to the shelves. Many books would be taken from the shelves and read which would never be ordered from a catalogue. The committee recommend that all modifications of shelving be made with this principle in view. It is also recommended that in cases where no enlargement of the collection of miscellaneous books open to the public is at present possible, these collections should be frequently changed, and should always contain a good proportion of the more solid works.

The affairs of the Charlestown Branch remain in an unsettled state, because of the complications arising from the Harris fund, and the Harris collection. The transfer of the collection to the Central Library would require an enabling act by the Legislature, and the attempt to secure such an act has failed hitherto, largely, it would seem, because of misunderstanding on the part of the opponents. It is not proposed to alienate the title of the city of Charlestown, nor to divert the funds from the use mentioned in the bequest. The only thing proposed is to remove the Harris collection to the Central Library building. The reasons for doing this are:

(*a*) Greater safety. The collection is exposed to great fire risk where it is and could hardly be replaced if destroyed.

(b) Greater utility. The collection has a scholarly, rather than a popular interest, and as such would be most useful in connection with the other special collections of the library.

Supposing the transfer made, the city of Charlestown retains its title in the collection, and the funds are expended for the increase of the collection, as directed in the bequest.

The people of Charlestown are as free as ever to draw works from the collection through the Charlestown Branch. The only difference would be that they must wait a few hours before the books are delivered. But this would not be a great hardship, as the calls for books from the collection do not average four a month. The purchase of books is limited to those published before 1850; and hence the collection can never have any popular interest. For the scholars of Charlestown the collection would be more conveniently located in the Central Library, where they could then consult the other collections also. The Charlestown Branch would gain by the removal. A large and greatly needed increase of room for popular books would be at once secured.

On all these accounts, the committee recommend a renewal of the request for an enabling act from the Legislature permitting the transfer of the Harris collection to the Central building.

The desirability of bringing the library into closer connection with the public schools has long been apparent. The ideal method would be to make the schools delivery and deposit stations. This seems so desirable that the committee recommend a special appropriation for this purpose, if need be, whenever the Board of Administration ask for it. The committee hear with approval of a beginning in this direction about to be made at the North End. Owing to the character of the population, the library circulation in this district is largely of juvenile works; and the school deposit station is peculiarly adapted to this neighborhood.

But the committee are not satisfied that this meets all the claims of the North End. The removal to the West End of the branch originally in this section leaves the district without library accommodations. The committee recommend the establishment of a delivery and deposit station in the North End, with an adequate reading-room.

The committee also recommend the deposit of a collection of suitable books at Rainsford Island, for the use of the House of Reformation for Juvenile Offenders. The present custom of sending soiled and tattered volumes, the rubbish of the library and the branches, does not tend to reform these youths.

The circulation of books from the Central Library, through the branches and delivery stations in 1895, showed a marked falling off from that of 1894. This was largely due to the closing of the library to the public during the transfer to Copley square. This falling off has disappeared during the current year. Nevertheless, the circulation from the Central Library through the branches and delivery stations still continues very small.

In the case of the branches there is a large circulation from their own collections, but in most of the delivery stations there has been, until recently, no deposit of books at the station; and the whole expense of the station has been incurred to circulate from one to four books a day. Great improvements have been made, especially during the current year, but much remains to be done in order to secure an adequate return for the expense of the circulation.

Some reasons for the small circulation exist which admit of removal. In the first place, the delivery stations have no adequate catalogue of the Central Library. Here the remedy is manifest. In the next place, not more than fifty per cent of the orders received can be filled, owing to the absence of the books from the Central Library. There seems to be no way of completely meeting this difficulty except by buying more copies of popular works. In the case of books dealing with special topics some relief may be found in a form of order recently adopted, which admits of substituting other works on the same topic.

But the most effective of all the means for increasing the popular circulation consists in the admirable plan of the Librarian, adopted last year, of keeping deposits of books accessible to the public at the delivery stations. Last year there was but one deposit station; this year there are thirteen; and the circulation from these deposits has increased from 4,595 last year to 75,325 for the current year. The circulation from the Central Library on borrowers' cards at the delivery stations has increased from 18,774 for 1895, to 29,340 for 1896. The circulation of the branches and delivery stations for home use for the last three years is shown in the following table:

CIRCULATION OF BRANCHES AND DELIVERY STATIONS.

	1894.	1895.	1896.
<i>Branches :</i>			
Including West Roxbury and Mt. Bowdoin	523,253	547,822	591,210
<i>Delivery Stations :</i>			
From deposit.....		4,595	75,325
Books received from branches on borrowers' cards	15,515	15,410	12,230
Total circulation of branches and stations, from deposits and from their own collections.....	538,768	567,827	678,765
<i>Delivery Stations :</i>			
Books received on borrowers' cards from the Central Library.....	22,320	18,774	29,340
<i>Branches :</i>			
Books received on borrowers' cards from the Central Library.....	9,308	9,159	11,354
Total	31,628	27,933	40,694

It will be seen from this table (*a*) that there has been a very great increase in the total circulation of branches and stations in the last two years; (*b*) that this increase has been largely due to the deposit stations, and (*c*) that the increase in the circulation of the stations has led to only a relatively small decrease of the circulation of the branches. It is also clear that the extension of the popular circulation of the books of the library should be sought through the increase and improvement of the delivery and deposit stations, rather than through the enlargement and multiplication of the branches.

These gratifying results constitute the highest praise of the wisdom and energy which characterize the Board of Administration.

The necessities of the Central Library, owing to its change of abode, necessarily led for a time to a relative neglect of

the branches and stations. The large increase also of the fixed expenses for the Central Library must tend in the same direction, unless met by corresponding increase in the appropriation. The amount spent on books in branches and stations in 1894 was only \$3,707. In inaugurating the new policy which has led to such happy results, \$10,000 were spent for the same purpose in 1895, and \$12,000 in 1896. These sums have been expended mainly in placing full lists of reference books and collections of selected reading for the young and current literature in the branches, and in the purchase of the necessary books for the deposit stations.

The committee recommend that the Board of Administration be granted such appropriation of money as may be needed to continue the policy so happily inaugurated.

An examination of the report of the Auditor of the library shows the annual receipts and disbursements to be in the neighborhood of \$250,000. The income is derived from appropriations made by the City Government, and from trust funds, donations, rents, interest, fines, sales of catalogues, etc. The expenditures are made for a great variety of purposes, many of them of very small amounts.

The total income for the year was	\$272,700
The expenditures were, approximately	245,700

Besides the money appropriated by the city, and the income on trust funds held by the City Treasurer, and the money for minor current expenses in the hands of the Auditor of the library, there are kept on deposit in London, funds to the amount of about \$20,000 for the purpose of meeting drafts drawn for the purchase of books abroad.

The first question which occurs concerning a financial department so extensive and important is whether it is subject to a thorough and comprehensive system of audit. On investigation, we ascertained that until a comparatively short time ago no system of audit worthy of the name had been in practise; but we are pleased to report that recently a comprehensive and satisfactory method has been formulated and is now in use. Not a single expenditure, however trivial, is made without the prior authorization of the Board of Trustees and the written authorization of the President.

The only suggestion which we have to make in this connection is that it would be advisable, if practicable, to have the expenditures in the binding and printing departments, which amount, exclusive of salaries, to a considerable sum, examined by some disinterested person not connected with

the library,—preferably a member of the Examining Committee, especially appointed for that purpose, and familiar with the market rates of labor, material and supplies for which the payments are made. While we have no reason to suppose that economy and discretion are not practised in these departments, we think it would tend to perfect the financial methods of the library, otherwise so satisfactory.

We renew the suggestion of our immediate predecessors that the amount of real and personal property authorized to be held by the Library Corporation should be increased by law. We are not prepared to state just what the amount of such property now is, for we are not informed whether the city or the Library Corporation has the title to certain portions of it; but the capacity of the Trustees, who constitute the Corporation, to hold any amount of property which they are likely to have or receive should be unquestioned. It is reasonable to hope and expect, now that the library has been housed in a building of such exceptional fitness and beauty, and the usefulness of the collection so largely extended, that large donations by will or otherwise may be made, and it would be unfortunate in the extreme if it were possible that any doubt could be raised as to the legal capacity of the Corporation to accept such gifts.

We suggest that a careful estimate be made of the value of the real and personal property now vested in the Trustees, and that a bill be then framed and presented to the Legislature, increasing the amount which may be so held, to such an extent as to insure that the library will be in no danger of losing any property or funds through legal inability to acquire or hold them.

The building appropriation for the new library is, or when all bills are paid will be, exhausted, and a considerable additional sum is imperatively necessary to fit the building for its intended uses. In a structure so large and so difficult to adapt to the best administrative methods, certain changes are unavoidable. Besides these, additional heating and lighting apparatus have been found indispensable, the ventilating devices have needed improvement, rooms left unfinished have been put into use, additional furniture has been needed, and other expenditures have been found necessary to complete and furnish the building. These facts make it desirable that a considerable amount be added to that heretofore available for the purpose of putting the building into thoroughly usable condition, not including, however, the completion of important decorations, which may well be left for gradual treatment as funds are available for that purpose.

We therefore endorse the application which has been made to the present Legislature by or at the request of the Trustees for an act to authorize the city to borrow the additional sum of \$100,000 for the completion of the building, and for other necessary purposes. The necessity for this arises from the fact that the large amount which will be realized from the sale of the old library building will not be available for library purposes.

The annual appropriation by the City Government for the maintenance of the library and the purchase of books must necessarily increase from year to year, to correspond with the increase in population, and the extension of the use made of the library. We think, however, that there should always be available a special appropriation of a reasonable amount for use solely for the purchase of books in large numbers or of considerable value, which are now and then put upon the market in this country or abroad, the opportunity for the purchase of which is but brief.

Scarcely anything would more effectually promote the financial interests of the library than a thorough agreement for coöperation between this and other large libraries in the immediate vicinity. It would seem, for example, an unnecessary waste of money to duplicate here the legal treatises and reports which are available to any citizen in the State Library; and the same is true of books in other branches of special knowledge. If, therefore, a thorough and cordial system of coöperation could be brought about between the Boston Public Library, the Library of Harvard College, and the State Library of Massachusetts, not to mention several important libraries not open to the general public, but more or less accessible to students and specialists, it would materially decrease the expenses of the library in accumulating books for special departments, and leave funds available for more general purposes.

We would suggest that, in addition to printing in the annual reports of the Trustees a list of the names of those who contribute books or make gifts or donations of any other character to the library, a small but artistic certificate of a permanent character be prepared and furnished to all such persons in the future, as a token of appreciation of their thoughtfulness and generosity, instead of, or in addition to, the letter of acknowledgment now employed for that purpose.

In conclusion, the committee beg to say that if it is to be assumed that the Examining Committee itself is a portion of the machinery to be examined and commented upon, they

would suggest that very considerable changes are necessary in that body to make it a seriously useful help in the administration of the library. It consists, and naturally so, of busy people; is appointed late in the year, that is, in the busiest season of the year; and the need of incorporating its report in the report of the Trustees to the Mayor shortens the time in which it has to work; all of which things put a pressure upon the action of the committee that almost certainly results in perfunctory service. It neither has sufficient time to study its problems — indeed, there is hardly time to apprehend them — nor, from the character of its constitution, can it follow out, or observe the working out, of any suggestions made by it.

The committee has no suggestions to make as to the solution of the difficulty, if difficulty it be, but it is content to leave the matter, having pointed out what it takes to be an essential weakness in the Examining Committee, as it exists at present. It is, of course, a matter for the Trustees themselves to determine whether the things shall go on as heretofore, exciting annually an amiable interest in the library in the minds of a dozen or more people; or whether the Board of Visitors is to be made more permanent in its shape, although the individuals may change (a certain part of the individuals composing the committee being renewed each year), in which case, perhaps, such a board should not be appointed by the Trustees, and directed to report to them; or whether a still greater element of permanence shall be given by a considerable increase in the Board of Trustees itself, the examining committee being abolished.

Respectfully submitted,

By order of the Committee,

JOHN E. HUDSON, *Chairman.*

HELOISE E. HERSEY, *Secretary.*

APPENDICES.

1896.

LIST OF APPENDICES.

- I. FINANCIAL STATEMENT.
- II. EXTENT OF THE LIBRARY BY YEARS.
- III. NET INCREASE OF THE SEVERAL DEPARTMENTS, INCLUDING BRANCHES.
- IV. CLASSIFICATION : CENTRAL LIBRARY.
- V. CLASSIFICATION : BRANCHES.
- VI. REGISTRATION.
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- VIII. TRUSTEES FOR FORTY-FIVE YEARS.
- IX. EXAMINING COMMITTEES FOR FORTY-FIVE YEARS.
- X. LIBRARY SERVICE (APRIL 1, 1897), INCLUDING SUNDAY AND EVENING SCHEDULE.
- XI. SYSTEM OF CIVIL SERVICE.
- XII. CORRESPONDENCE.
- XIII. GIVERS, AND AMOUNT OF GIFTS.

APPENDIX I.

FINANCE.

BOSTON PUBLIC LIBRARY,
AUDITING DEPARTMENT, February 1, 1897.*To the Trustees:*

GENTLEMEN: The undersigned herewith presents a statement of the receipts and expenditures of the Library Department for the financial year commencing February 1, 1896, and ending January 30, 1897; also a statement concerning the Trust and other funds, statements covering special appropriations, and a statement of expenditures on account of the branches for the twelve years ending 1896-97.

Respectfully,

A. A. NICHOLS,
Auditor.

RECEIPTS.

City appropriation, 1896-97				\$225,000 00
Rents from old Library Building:				
Balance from				
1895-96, . . .	\$1,664	65		
During the year . . .	5,749	00		
			\$7,413	65
Unexpended of the transfer to				
Mattapan reading-room . . .			45	73
				<u>7,459 38</u>
				232,459 38
Income from Trust Funds:				
In hands of City Treasurer, Feb. 1, 1896,	\$10,328	19		
During the year . . .	*4,729	66		
				<u>\$15,057 85</u>
Less amount trans-				
mitted to J. S.				
Morgan & Co. . .	14,936	85		
			\$121	00
Fines and sales of catalogues:				
In hands of City				
Treasurer . . .	\$4,177	41		
				<u>\$4,177 41</u>
<i>Carried forward</i>	\$4,177	41	\$121 00	\$232,459 38

* The interest due on Trust Funds invested in City Bonds, from July 1, 1896, to January 1, 1897, amounting to \$4,356.00 has not yet been placed to the credit of the Library Trustees. The total income from Trust Funds for the year is \$9,085 66.

<i>Brought forward</i>	\$4,177 41	\$121 00	\$232,459 38
Less amount trans- mitted to J. S. Morgan & Co. .	2,304 52		
		1,872 89	
London accounts:			
In hands of J. S. Morgan & Co., Feb. 1, 1896 .	\$13,573 13		
During the year .	17,241 37		
Interest on deposit to Jan. 1, 1897 .	178 00		
		30,992 50	
In hands of Baring Bros. & Co.		72 75	
Donations:			
From W. C. Todd, unexpended Feb. 1, 1896 . . .	\$2,776 25		
During the year .	2,000 00		
		4,776 25	
From Woman's Edu- cation Association, unexpended Feb. 1, 1896 . . .	\$383 51		
During the year .	12 71		
		396 22	
From Andrew C. Wheelwright, unexpended Feb. 1, 1896 .		32 50	
From Miss Victorine T. Artz .		10,000 00	
Exchange account: Lost books, sales of duplicates, etc.:			
Balance from 1895-96 . . .	\$580 10		
During the year .	217 14		
		797 24	
Interest on bank deposit . . .		1,322 14	
			50,383 49
			\$282,842 87

The expenditures have been as follows:

General library accounts, including the cost of
maintaining the branches:

Salaries:

General administra- tion . . .	\$113,004 21		
Sunday and evening force . . .	17,558 07		
		\$130,562 28	

<i>Carried forward,</i>	\$130,562 28	\$282,842 87
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<i>Brought forward,</i>			\$130,562 28	\$282,842 87
Books:				
City appropriation -	\$25,388	25		
Income from Trust				
Funds	8,992	88		
			34,381	13
Periodicals			6,049	10
Binding:				
Salaries	\$11,847	64		
Stock	1,504	61		
Equipment	488	75		
Contract work	1,665	73		
			15,506	73
Printing:				
Salaries	\$3,761	99		
Stock	4,301	64		
Equipment	2,774	89		
Contract work	1,517	10		
			12,355	62
Furniture and fixtures			1,108	28
Gas			1,790	90
Electric lighting			1,239	66
Water-rates			1,366	10
Telephone service			390	72
Expense, miscellaneous			1,451	26
Expense, cleaning			4,612	68
Stationery and library supplies			3,886	46
Rents: Branch Libraries and Read-				
ing-Rooms			4,884	00
Fuel			6,439	21
Repairs:				
Stock and contract				
work	\$3,648	74		
Salaries	2,049	83		
			5,698	57
Transportation, including postage			1,969	13
Transportation between Central				
Library and Branches			3,562	25
Rent of Deliveries, including Cus-				
todians' services			3,101	22
Subscriptions to news-				
papers (Todd gift)	\$1,826	15		
Books and periodicals for West End				
Branch	403	35		
Books and odd num-				
bers of periodicals	21	16		
			2,250	66
<i>Carried forward,</i>			\$242,605 96	\$282,842 87

<i>Brought forward,</i>			\$242,605 96	\$282,842 87
West End Branch:				
Installing switch, etc.,				
Lord Electric Co.	\$20 50			
Building fence, F.				
W. Whitcomb	20 00			
Electric lighting	337 19			
Fuel	145 80			
Furniture	87 50			
Insurance	22 50			
Water-rates	8 40			
Library supplies	109 80			
			751 69	
Mattapan Reading-Room:				
Books, W. B. Clarke				
and Co.	\$5 00			
Services of Custodian, month of				
January, 1896	4 16	9 16		
				243,366 81
Balance on hand January 31, 1897.				<u>\$39,476 06</u>

The balance is made up of the following items, viz.:

Cash in hands of City Treasurer,				
Feb. 1, 1897, as follows:				
Income from Trust Funds	\$121 00			
Rents from old Library Building	2,274 05			
Fines and sales of catalogues	532 89			
				\$2,927 94
Cash on deposit in London:				
Trust Funds	\$14,051 74			
General funds	7,422 69			
				21,474 43
Cash on deposit with New England Trust Co., and on hand:				
Unexpended of donations carried to account of 1897-98:				
W. C. Todd	\$2,950 10			
Woman's Education Association	22 27			
A. C. Wheelwright	3 10			
				2,975 47
Exchange account: Lost books, etc.			776 08	
Interest on bank deposit			1,322 14	
Victorine T. Artz fund			10,000 00	
				<u>\$39,476 06</u>

GENERAL APPROPRIATIONS.

A statement comparing the expenditures for the financial year ending Jan. 31, 1896, with the expenditures for the present financial year ending Jan. 31, 1897.

	1895-96.	1896-97.
Salaries : General administration.....	\$91,954 60	\$113,004 21
“ Sunday and evening force.....	11,130 60	17,558 07
Binding : Salaries.....	10,626 87	11,847 64
“ Stock.....	2,406 14	1,504 61
“ Contract work.....	1,718 54	1,420 72
“ Equipment.....		488 75
Books.....	18,231 86	25,040 32
Periodicals.....	5,307 49	6,049 10
Furniture and fixtures.....	7,326 01	1,195 78
Gas.....	1,729 76	1,790 90
Electric lighting and power.....	4,758 42	1,576 85
Water rates.....	585 00	1,374 50
Telephone service.....	480 11	390 72
Expense: Miscellaneous.....	3,845 17	1,473 76
“ Cleaning.....	3,870 55	4,612 68
Printing: Equipment.....	5,300 00	2,774 89
“ Stock.....	1,012 92	4,301 64
“ Contract work.....	4,960 44	1,517 10
“ Salaries.....	485 00	3,761 99
Stationery and Library supplies.....	3,200 40	3,996 26
Fuel.....	6,192 07	6,585 01
Rents.....	6,285 48	4,884 00
Repairs: Stock and contract work.....	1,987 29	3,689 24
“ Salaries.....	2,699 00	2,049 83
Transportation: postage, etc.....	530 53	1,969 13
Transportation between Central Library and branches.....	3,285 43	3,562 25
Rent of deliveries, including Custodians' services....	2,347 25	3,105 38
Moving expenses.....	\$202,266 93 *6,341 12	\$231,525 33
	\$208,608 05	

* This sum covers items which were paid out of the balance of the special appropriation for moving expenses, and which would otherwise have been spread among the various classes of expenditures above enumerated.

The cost of maintaining the branches makes part of the general items of the several appropriations:

Cost of branches, 1895-96	\$47,977 23
Cost of branches, 1896-97	62,785 39

Amount expended for books is for bills paid out of the city appropriation only.

The amount expended for books and binding (not included above) paid from trust funds and city money in hands of London bankers:

For 1895-96	\$9,516 29
For 1896-97	9,590 82

Gross expenditure for the year 1895-96, amounting to \$208,608.05, includes payments made from the revenue derived from old Library Building for the West End and Mattapan branches.

West Church, remodelling and furnishing:

Balance of city appropriation	\$11,981 56
---	-------------

Payments:

Contractors:

J. J. Flynn	\$4,777 28
A. A. Sanborn (heating and ventilat- ing)	1,361 55
Robert D. Ireland (electric light fixtures)	1,253 00
Mellish, Byfield & Co. (furniture).	1,123 50
A. D. Hicks & Son	940 00
Architects, A. S. Jenney and T. A. Fox	598 85
Lord Electric Co.	383 84
Smith & Forbes (plumbing)	307 30
John White (painting tower)	148 70
Furnishings	969 77
Incidentals	174 69

\$12,038 48

Less amount transferred to furni- ture, general appropriation	56 92
--	-------

11,981 56

Library Building, furnishing:

Balance of city appropriation	\$41,339 92
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Payments on account:

Mellish, Byfield & Co.	\$9,462 90
Ira G. Hersey	1,201 72
Samuel Hayward	1,140 00
Smith & Lovett	870 00
Torrey, Bright & Capen Co.	825 95
Koopman & Co.	660 00
R. Hoe & Co.	235 75
Foster Brothers	300 00
Walworth Mfg. Co.	145 00
Irving & Casson	100 00
Architects, A. S. Jenney & T. A. Fox	274 65
Richard Codman	272 59
Sundry small accounts	1,311 40

16,799 96

Balance, February 1, 1897	\$24,539 96
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GENERAL EXHIBIT OF APPROPRIATIONS, SOURCES OF REVENUE AND OTHER FUNDS.

	Balances from 1895-96.	Revenue Re- ceived during the year 1896-97.	Appropriation 1896-97.	Total Credits.	Expenditures for 1896-97.	Balances to 1897-98.
Library Building, Dartmouth Street.....	\$139,983 17	.....	.....	\$139,983 17	\$50,502 00	\$89,481 17
Library Building, furnishing.....	41,339 92	.....	.....	41,339 92	16,739 96	24,539 96
General Library.....	.....	\$10,875 94	\$225,000 00	235,875 94	* 233,069 00	2,806 94
West Church, remodelling and furnishing.....	11,981 56	.....	.....	11,981 56	11,981 56	.....
Old Library Building.....	1,964 65	5,749 00	.....	7,413 65	5,176 17	2,237 48
Exchange Account: Lost books, sales of duplicates, etc.....	589 10	217 14	.....	797 24	21 16	776 08
W. C. Todd.....	2,776 25	2,000 00	.....	4,776 25	1,826 15	2,950 10
Woman's Education Association.....	383 51	12 71	.....	396 22	373 95	22 27
Gift of Andrew C. Wheelwright.....	32 50	.....	.....	32 50	29 40	3 10

* The above sum, \$233,069.00, does not include the expenditure for books and binding made by draft on J. S. Morgan & Co., London, amounting to \$9,590.82, but does include the sum of \$2,304.52 transmitted to J. S. Morgan & Co., which is charged against our appropriation by the City Auditor.

RECEIPTS FROM FINES AND SALES OF CATALOGUES.

Receipts from fines, 1896-97.....	\$3,800 88
Receipts from sales of catalogues, 1896-97.....	286 53
Total amount added to the general appropriation.....	\$4,177 41

STATEMENT OF TRUST FUNDS.

GIVER.	Balances from 1895-96.	Income, 1896-97.	Total Credits.	Expenditures, 1896-97.	Balances to 1897-98.	Over- expended.
1. Joshua Bates.....	\$3,540 81	\$1,000 00	\$4,540 81	\$3,268 42	\$1,272 39	
2. Jonathan Phillips.....	2,617 45	800 00	3,417 45	1,332 17	2,085 28	
3. Abbott Lawrence.....	1,729 72	300 00	2,029 72	162 08	1,867 64	
4. Charlotte Harris.....	3,688 21	300 00	3,988 21	.....	3,988 21	
5. Henry L. Pierce.....	342 62	100 00	442 92	230 29	212 63	
6. Mary P. Townsend.....	465 94	100 00	565 94	107 12	458 82	*\$253 27
7. George Ticknor.....	.....	80 00	.....	24 11	.....	
8. John P. Bigelow.....	235 30	20 00	256 30	.....	256 30	
9. Franklin Club.....	25 14	20 00	45 14	12 50	32 64	
10. Samuel A. Green.....	165 95	47 50	213 45	23 38	190 07	
11. South Boston.....	28 97	2 00	30 97	72 00	.....	41 03
12. Arthur Scholfield.....	.....	.....	.....	.....	.....	
13. Joseph Scholfield.....	3,829 79	1,236 00	5,065 79	2,731 30	2,334 49	
14. Thomas B. Harris.....	95 29	20 00	115 29	53 44	61 85	
15. Daniel Treadwell.....	980 82	438 16	1,418 98	840 96	578 02	
16. Edward Lawrence.....	15 11	10 00	25 11	.....	25 11	
17. J. Ingersoll Bowditch.....	688 38	175 00	863 38	135 11	728 27	

18. Charles Greely Loring Memorial Fund	10 00	10 00	10 00	10 00
19. Charles Mead.				
William C. Todd	\$18,450 80	\$4,658 66	\$23,029 46	\$8,992 88
	2,776 25	42,000 00	4,776 25	1,826 15
	\$21,227 05	\$6,658 66	\$27,805 71	\$10,819 03
				\$17,051 82
				\$294 30

* Over-expenditures of previous years.

† The assumed income of \$50,000, given annually by William C. Todd, to be expended for purchase of newspapers, foreign and domestic.

LIBRARY BUILDING, DARTMOUTH STREET.

From July 1, 1887, to Jan. 31, 1897.

CONTRACTS.	Amount Contracted for.	Amount Certified and Paid.	Balance Uncertified.
John T. Scully	\$7,714 44	\$7,714 44	
Woodbury & Leighton, 1st contract.....	313,596 79	313,596 79	
Woodbury & Leighton, 2d contract.....	756,233 87	756,233 87	
R. C. Fisher & Co.	48,784 40	48,784 40	
R. Guastavino	85,544 04	85,544 04	
Lindemann, T. C. R. T. Co.....	35,209 54	35,209 54	
Batterson, See & Eisele.. ..	57,273 00	57,273 00	
Post & McCord, 1st contract.. ..	43,662 43	43,662 43	
Post & McCord, 2d contract.....	50,900 00	50,900 00	
David McIntosh, 1st contract.	48,716 81	48,716 81	
David McIntosh, 2d contract.	20,823 00	20,823 00	
Bowker, Torrey & Co.....	110,459 00	110,459 00	
Ira G. Hersey	90,705 70	90,705 70	
Snead & Co., Iron Works.....	76,419 75	76,419 75	
Norcross Bros.	52,857 00	52,857 00	
General Electric Co.....	21,209 30	21,209 30	
Isaac N. Tucker.....	8,952 43	8,952 43	
M. T. Davidson.....	3,894 00	3,894 00	
Augustus St. Gaudens.....	50,000 00	3,000 00	\$47,000 00
Archer & Pancoast.....	15,122 80	15,122 80	
John S. Sargent.....	15,000 00	7,500 00	7,500 00
E. A. Abbey.....	15,000 00	9,500 00	5,500 00
P. Puvis de Chavannes.....	48,235 00	48,235 00	
Bethlehem Iron Works.....	1,617 40	1,617 40	
Freight on electrical machine (Knight & Son),	78 10	78 10	
Siemens & Halske	14,000 00	14,000 00	
I. P. Morris Co.....	13,889 86	13,889 86	
W. J. McPherson.. ..	5,158 91	5,158 91	
N. E. Tel. and Tel. Co.	997 12	997 12	
D. C. French.....	25,000 00	.....	25,000 00
E. E. Garnsey.....	2,500 00	2,500 00	
E. D. Leavitt.....	6,892 95	6,028 87	864 08
Lake Erie Engineering Works.....	1,400 00	1,000 00	400 00
<i>Carried forward.....</i>	<i>\$2,047,847 64</i>	<i>\$1,961,583 56</i>	<i>\$86,264 08</i>

LIBRARY BUILDING, DARTMOUTH STREET.—*Concluded.*

CONTRACTS.	Amount Contracted for.	Amount Certified and Paid.	Balance Uncertified.
<i>Brought forward</i>	\$2,047,847 64	\$1,961,583 56	\$86,264 08
Walworth Construction and Supply Co.....	1,975 00	1,200 00	775 00
Siemens & Halske.....	4,215 00	.....	4,215 00
Walworth Construction and Supply Co.....	350 00	.....	350 00
A. A. Sanborn.....	398 00	.....	398 00
Norcross Bros.....	597 00	597 00	
Furniture.....	26,107 82	26,107 82	
Construction.....	50,387 77	50,387 77	
Heating and ventilating.....	70,457 06	70,457 06	
Incidentals.....	66,388 54	66,388 54	
Architects' commission of 5 per cent.....	97,624 72	97,624 72	
Architects' commission of 7½ per cent.....	5,027 23	5,027 25	
	\$2,371,375 80	\$2,279,373 72	\$92,002 08

Appropriation.....\$2,368,854 89

Payments 2,279,373 72

\$89,481 17

Balance uncertified..... 92,002 08

Deficit.. \$2,520 91

LONDON ACCOUNTS.

	Balances from 1895-96.	Remit- tances, 1896-97.	Total Credits.	Expendi- tures, 1896-97.	Balances unex- pended.
J. S. Morgan & } Co., } Interest on deposit.. }	£ s. d. 2,777 3 7	£ s. d. 3,556 14 1	£ s. d. 6,333 17 8	£ s. d. 1,967 0 2	£ s. d. 4,366 17 6 } 36 9 6 }
Baring Bros. & Co..	15 0 0	.....	15 0 0	.....	15 0 0
	2,792 3 7	3,556 14 1	6,348 17 8	1,967 0 2	4,418 7 0

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS, 1883-97.

	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92. 9 mos.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
EAST BOSTON.												
Salaries.....	\$2,909 83	\$2,898 18	\$3,148 96	\$2,877 60	\$2,649 15	\$2,643 83	\$1,878 40	\$2,588 49	\$2,528 49	\$2,835 31	\$2,814 68	\$2,891 82
Books.....	426 17	592 06	422 12	384 28	333 22	225 55	417 68	513 79	288 87	359 85	842 14	920 38
Expense.....	599 14	717 65	684 14	698 73	483 02	999 90	604 96	757 05	764 83	621 15	609 45	709 53
	\$3,935 14	\$4,207 89	\$4,255 22	\$3,960 61	\$3,470 39	\$3,899 28	\$2,900 74	\$3,859 33	\$3,582 19	\$3,816 31	\$4,266 27	\$4,521 83
SOUTH BOSTON.												
Salaries.....	\$3,307 36	\$3,285 17	\$3,516 63	\$3,304 05	\$3,057 13	\$2,904 60	\$2,306 95	\$3,389 11	\$2,996 30	\$3,271 93	\$3,249 45	\$3,498 40
Books.....	798 98	951 07	763 17	774 93	642 08	448 46	707 85	783 56	573 23	771 37	898 75	1,819 38
Expense.....	635 17	656 77	518 60	3,620 53	2,748 16	3,172 57	3,102 20	3,054 57	3,328 14	3,142 26	3,624 76	3,804 63
	\$4,741 51	\$4,893 01	\$4,798 40	\$7,699 51	\$6,447 37	\$6,525 63	\$6,117 00	\$7,227 24	\$6,897 67	\$7,185 56	\$7,772 96	\$9,122 41
ROXBURY.												
Salaries.....	\$3,467 10	\$2,863 72	\$3,724 58	\$3,514 01	\$3,336 47	\$3,154 69	\$2,301 35	\$3,382 30	\$3,121 85	\$3,262 95	\$3,161 55	\$3,447 72
Books.....	589 37	754 06	736 40	675 76	457 34	452 94	442 75	774 26	396 77	494 49	658 42	1,332 09
Expense.....	997 83	1,136 70	1,176 32	2,939 52	2,434 61	2,725 27	2,675 43	2,310 20	2,957 53	2,526 12	3,000 15	2,678 90
	\$5,054 30	\$4,754 48	\$5,627 30	\$7,129 29	\$6,228 42	\$6,332 90	\$5,419 53	\$6,466 76	\$6,476 15	\$6,283 55	\$6,820 12	\$7,458 71
CHARLESTOWN.												
Salaries.....	\$2,760 19	\$2,599 61	\$2,848 01	\$2,654 77	\$2,623 67	\$2,738 52	\$1,950 18	\$2,608 83	\$2,201 90	\$2,596 88	\$2,397 53	\$3,008 51
Books.....	606 86	996 85	733 84	672 11	583 39	604 78	375 17	689 15	386 00	423 64	835 91	1,256 10
Expense.....	675 17	774 35	909 38	924 80	871 99	868 86	872 93	974 89	1,105 35	786 05	913 62	1,035 78
	\$4,042 22	\$4,370 81	\$4,491 23	\$4,251 68	\$4,079 05	\$4,212 16	\$3,198 28	\$4,272 87	\$3,693 25	\$3,806 57	\$4,147 06	\$5,300 39

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS. — *Continued.*

	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92, 9 months.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
LOWER MILLS.												
Salaries.....	\$310 00	\$410 00	\$415 11	\$372 00	\$343 00	\$274 00	\$210 00	\$312 00	\$288 00	\$312 00	\$336 00	\$453 67
Books and Periodicals.....	45 20	54 05	64 00	64 85	53 72	52 71	58 57	56 21	71 81	53 65	214 36	75 55
Expense.....	247 38	224 25	329 74	330 17	307 32	305 25	263 20	254 46	572 74	460 25	318 38	395 22
	\$602 58	\$688 30	\$808 85	\$707 02	\$704 04	\$631 96	\$531 77	\$622 67	\$932 55	\$825 90	\$868 74	\$924 44
MATTAPAN.												
Salaries.....	\$125 00	\$125 00	\$139 61	\$130 00	\$120 00	\$25 00					\$305 86	\$424 17
Books and Periodicals.....												264 95
Expense.....	\$145 31	\$189 38	\$160 11	\$180 08	\$170 59	\$276 31	\$226 07	\$341 32	\$364 40	\$359 41	426 64	356 98
	\$270 31	\$314 38	\$299 72	\$310 08	\$290 59	\$301 31	\$226 07	\$341 32	\$364 40	\$359 41	\$732 50	\$1,046 10
NEPONSET.												
Salaries.....	\$125 00	\$125 00	\$139 61	\$130 00	\$120 00	\$100 00	\$87 56	\$120 00	\$97 50			
Expense.....	230 20	240 37	206 89	243 47	248 65	234 80	124 45	268 15	184 05	\$353 35	\$320 34	\$390 81
	\$355 20	\$365 37	\$346 50	\$373 47	\$368 65	\$334 80	\$212 01	\$388 15	\$281 55	\$353 35	\$320 34	\$390 81
ROSLINDALE.												
Salaries.....		\$83 28	\$96 19	\$91 00	\$84 00	\$45 46						
Expense.....		138 50	154 40	148 45	141 40	288 27	\$267 04	\$339 32	\$371 80	\$459 83	\$438 18	\$604 97
		\$221 78	\$250 59	\$239 45	\$225 40	\$333 73	\$267 04	\$339 32	\$371 80	\$459 83	\$438 18	\$604 97
WEST ROXBURY.												
Salaries.....	\$128 11	\$129 36	\$146 38	\$131 11	\$124 63	\$120 62	\$78 50	\$140 80	\$226 50	\$338 97	\$377 00	\$538 40
Books and Periodicals.....									35 00	17 60	454 20	1,252 19

Expense.....	80 83	86 71	447 95	92 05	89 05	75 60	84 25	206 37	323 62	204 58	359 63	431 56
	\$217 94	\$216 07	\$594 33	\$223 16	\$213 68	\$196 22	\$162 75	\$347 17	\$685 12	\$621 15	\$1,190 89	\$2,282 15
MOUNT BOWDOIN.												
Salaries.....		\$104 15	\$287 61	\$298 22	\$598 00	\$276 00	\$201 25	\$298 25	\$276 00	\$294 00	\$322 00	\$453 38
Periodicals.....			43 90	132 31	123 79	108 12	78 07	80 57	87 98	68 20	255 31	87 15
Expense.....		34 65	136 12	448 14	511 21	480 95	346 70	402 29	479 00	423 79	427 36	514 78
		\$138 80	\$467 63	\$878 67	\$1,233 00	\$865 07	\$626 02	\$841 11	\$843 98	\$785 99	\$1,004 67	\$1,055 31
ALLSTON.												
Salaries.....					\$235 30	\$48 00		\$380 60	\$395 90	\$381 21	\$403 63	\$466 56
Expense.....					114 16	286 46	\$276 30	\$380 60	\$395 90	\$381 21	\$403 63	\$466 56
					\$349 46	\$334 46	\$276 30	\$380 60	\$379 16	\$371 48	\$359 00	\$386 88
ASHMONT.												
Expense.....						\$220 44	\$193 47	\$245 71	\$322 39	\$328 16	\$319 41	\$438 74
DORCHESTER STATION.						\$100 33	\$204 34	\$255 60	\$317 47	\$329 98	\$319 52	\$368 47
BIRD STREET.												
Expense.....								\$202 28	\$361 09	\$332 07	\$336 25	\$620 88
BLUE HILL AVENUE.												
Expense.....									\$46 40	\$329 48		
HARVARD STREET.												
Expense.....												
CRESCENT AVENUE.												
Expense.....								\$53 58	\$326 85	\$329 48	\$463 80	\$393 15

Summary.

	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92. (9 mos.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
East Boston....	\$3,935 14	\$4,297 89	\$4,255 22	\$3,960 61	\$3,470 39	\$3,890 28	\$2,900 74	\$3,859 33	\$3,582 19	\$3,816 31	\$4,206 27	\$4,521 53
South Boston...	4,741 51	4,893 01	4,798 40	7,699 51	6,447 37	6,525 63	6,117 00	7,227 14	6,897 67	7,185 56	7,772 96	9,122 41
Roxbury	5,054 30	4,754 48	5,027 30	7,129 29	6,228 42	6,332 90	5,419 53	6,466 76	6,476 15	6,283 56	6,820 12	7,458 71
Charlestown....	4,042 22	4,370 81	4,491 23	4,251 68	4,079 05	4,212 16	3,198 28	4,272 87	3,693 25	3,806 57	4,147 06	5,300 39
Brighton	2,486 42	2,612 54	2,800 97	2,724 79	2,734 63	2,862 11	2,460 70	2,709 70	2,862 80	2,711 34	3,231 89	4,322 53
Dorchester	3,678 80	3,962 44	4,179 48	4,100 66	3,737 20	3,438 21	2,571 17	3,058 10	2,882 77	3,019 46	3,717 44	4,689 60
South End.....	3,456 47	4,187 68	3,364 71	3,702 23	3,639 38	3,111 08	2,969 63	3,619 11	3,536 32	3,279 29	3,351 84	4,063 50
Jamaica Plain..	3,026 33	3,820 80	4,180 57	3,344 74	3,084 89	2,887 35	2,633 88	3,437 91	2,964 79	3,132 63	3,449 35	4,110 48
North End	\$1,461 90	\$1,774 37	\$1,882 55	\$2,364 87	\$2,515 87	\$2,527 17	\$2,567 87	\$2,125 75	\$2,289 26	\$2,269 95	{ 1,082 80 (6 mos.)	
Lower Mills....	602 58	688 30	808 85	767 02	704 04	631 96	531 77	622 67	932 55	825 90	868 74	924 44
Mattapan	270 31	314 38	299 72	310 08	290 59	301 31	226 07	341 32	364 40	359 41	732 50	1,046 10
Neponset	355 20	365 37	346 50	373 47	368 65	334 80	212 01	388 15	281 55	353 35	320 34	330 81
Roslindale.....	.....	221 78	250 59	239 45	225 40	333 73	267 04	339 32	371 80	459 83	438 18	604 97
West Roxbury..	217 94	216 07	594 33	223 16	213 68	196 22	162 75	347 17	685 12	621 15	1,190 89	2,282 15
Mc. Bowdoin ..	.....	138 80	467 63	878 67	1,233 00	865 07	626 02	841 11	842 98	785 99	1,004 67	1,055 31
Allston .....	.....	.....	.....	.....	349 46	334 46	276 30	380 60	395 90	381 21	403 03	466 56
Ashmont .....	.....	.....	.....	.....	.....	220 44	193 47	245 71	379 16	371 48	359 00	386 88
Dorch. Station..	.....	.....	.....	.....	.....	100 33	204 34	255 60	322 39	328 16	319 41	438 74
Bird Street.....	.....	.....	.....	.....	.....	.....	.....	299 14	317 47	329 98	319 52	368 47

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS. — *Concluded.**Summary. — Concluded.*

	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
Blue Hill Ave...								\$202 28	\$361 00	\$332 07	\$336 25	\$620 88
Harvard Street,								68 63	46 40	320 48		
Crescent Ave...								53 58	326 85	329 48	463 80	393 15
No. Brighton...									113 51	1,043 35	1,074 95	1,028 91
West End.....								17 60	.....	.....	{ 934 62 { (4 mos.)	7,958 68
Upham's Cor...												{ 401 06 { (9 mos.)
Broadway Ex...												1,348 36
Warren Street..												{ 379 32 { (8 mos.)
Total	\$33,829 12	\$36,528 72	\$38,348 05	\$42,070 23	\$39,322 02	\$39,214 21	\$33,538 57	\$41,179 55	\$40,926 37	\$42,355 51	\$46,005 63	\$63,084 24

LIBRARY TRUST FUNDS.—INVESTED IN CITY OF BOSTON BONDS.

GIVER.	Amount.	When delivered.	No. of Bond.	When due.	Income.	Provisions.
1 Joshua Bates.....	\$50,000 00	March, 1853	8,104	April, 1913	\$2,000	To buy "books of permanent value."
2 Jonathan Phillips.....	20,000 00	April, 1861	352	Jan'y, 1906	1,600	{ "To the maintenance of a free public library." "Purchase of books."
	10,000 00	April, 1863	8,105	April, 1913		
3 Abbott Lawrence.....	10,000 00	May, 1860	281	July, 1905	600	Books having a permanent value.
4 Charlotte Harris.....	10,000 00	August, 1877	2,579	Oct., 1897	600	Books for Charlestown branch, published before 1850.
5 Henry L. Pierce.....	5,000 00	December, 1873	7,392	Jan'y, 1924	200	"Books of permanent value for the Bates Hall."
6 Mary P. Townsend.....	4,000 00	April, 1879	2,960	April, 1899	200	Books five years old in some one edition.
7 George Ticknor.....	4,000 00	April, 1879	2,068	Oct., 1920	160	Books in Spanish and Portuguese five years old in some one edition.
8 John P. Bigelow.....	1,000 00	August, 1850	8,106	April, 1913	40	Purchase of books.
9 Franklin Club.....	1,000 00	June, 1863	1,224	Jan'y, 1914	40	Books of permanent value, preferably "books on government and political economy."
10 Samuel A. Green.....	1,500 00	November, 1878	3,714	Oct., 1900	75	{ Books relating to American history.
			722	April, 1908		
	500 00	April, 1884	1,243	April, 1914	20	
11 South Boston.....	100 00	September, 1879	5,596	July, 1919	4	For benefit of South Boston branch.
12 Arthur Scholfield.....	50,000 00	December, 1883	1,223	Oct., 1913	2,000	To be used for books of permanent value.
13 Joseph Scholfield.....	11,800 00	July, 1890	6,300	July, 1920	472	
14 Thomas B. Harris.....	1,000 00	April, 1884	1,244	April, 1914	40	For benefit of Charlestown branch.
15 Daniel Treadwell.....	2,000 00	October, 1885	1,382	April, 1916	271	{ To be expended by the Trustees in such manner as they may deem for the best interest of the Library.
	1,700 00		1,486	Oct., 1917		
	1,400 00	November, 1889	1,754	Nov. 15, 1919		
	1,000 00	July, 1892	2,210	Oct., 1921		
	350 00	1894	2,452	Oct., 1923		
	500 00	January, 1896	9,381	Jan'y, 1916		
16 Edward Lawrence.....	500 00	May, 1886	1,383	April, 1916	20	"To hold and apply the income and so much of the principal as they [the Trustees] may choose to the purchase of special books of reference to be kept and used only at the Charlestown Branch of said Public Library."
17 J. Ingersoll Bowditch.....	10,000 00	January, 1890	1,816	Jan'y, 1920	350	For "the purchase of books of permanent value and authority in mathematics and astronomy," to be added to the Bowditch collection.
18 { Charles Greely Loring } Memorial Fund }	500 00	January, 1896	9,479	Jan'y, 1916	20	Books for West End branch.
19 Charles Mead.....	2,500 00					"For the promotion of the objects of the Public Library in such manner as the government of said library shall deem best, and so far as the government shall deem consistent with the objects of the library, to be used for the benefit of the South Boston Branch Library."
	\$200,350 00				\$8,712	

MEMORANDA.

- (1) Joshua Bates, born near Boston, 1788, died in London, as the head of the house of Baring Brothers & Co., 1864. In addition to this fund, he gave \$50,000 worth of books to the Library.
- (2) The sum of \$20,000 was a gift in Mr. Phillips' lifetime. The other \$30,000 was bequeathed by his will, dated 25th of September, 1849. He died 20th July, 1860, aged 82.
- (3) Mr. Lawrence died in August, 1885, and this sum was a bequest.
- (4) The bequest of Charlotte Harris to the Charlestown branch. With it her private library was also given.
- (5) The donation of Mayor Pierce, previous to his retirement from office. The principal or interest may be expended as is deemed best.
- (6) This fund was received from William Minot and William Minot, Jr., executors of Miss Townsend's will, to whom discretionary power in making the gift was given by the will.
- (7) This bequest accompanied the testimonial gift of his Spanish and Portuguese library. It required that \$1,000, at least, shall be spent every five years for twenty-five years for the addition of books to said library.
- (8) This fund was a sum intended for a testimonial to Mr. Bigelow on retiring from the mayoralty, and was transferred by him to this purpose.
- (9) Given by the Trustees of the Franklin Club, under the authority given them at the dissolution of that literary association.
- (10) Given by the family of the late Charles Greely Loring as a memorial fund from the income of which books are to be bought for the West End branch.
- (11) Legacy of the late Charles Mead, to constitute the "Charles Mead Public Library Trust Fund."

STOCKS AND CASH OTHER THAN CITY BONDS HELD BY TREADWELL FUND, PUBLIC LIBRARY.

SHARES.	Par value per Share.	Value per Share as received from Trustee.	Total as received from Trustee.	Income.	Remarks.
15 B. & A. R.R. Co.....	\$100 00	\$179 00	\$2,685 00	* \$128 00	
6 B. & Prov. R.R. Co.....	100 00	179 50	1,077 00	60 00	
9 Fitchburg R.R. Co.....	100 00	118 00	1,062 00	\$5,585 00	48 00
1 Vt. & Mass. R.R. Co.....	100 00	133 00	133 00	6 00	April 5, 1887. The certificates of 9 shares of F. R.R. exchanged for a certificate of 12 shares preferred stock in same corporation, par value \$100. Total, \$1,200.
Cash.....			88 00	Less 88 00	Less paid May 10, 1886, to City Collector, per order of Board of Trustees of Public Library.
				\$5,497 00	
1 B. & A. R.R. Co.....	100 00			100 00	
Cash in City Treasury.....				37 69	

Victorine Thomas Ariz, "Longfellow Memorial Collection," \$10,000, not yet invested. * Includes income on the one share below.

LIBRARY TRUST FUNDS.

BIGELOW FUND.—This is a donation made by the late JOHN P. BIGELOW in August, 1850, when Mayor of the city.

The income from this fund is to be appropriated to the purchase of books for the increase of the library.

Invested in one City of Boston Four per cent. Bond, for . . . \$1,000 00

Payable to the Chairman of the Committee on the Public Library for the time being.

BATES FUND.—This is a donation made by the late JOSHUA BATES, of London, in March, 1853.

Invested in one City of Boston Four per cent. Bond, for . . . \$50,000 00

“The income only of this fund is to be, each and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful.” Payable to the Mayor of the city for the time being.

BOWDITCH FUND.—This is the bequest of J. INGERSOLL BOWDITCH.

Invested in one City of Boston Three and one-half per cent. Bond \$10,000 00

The whole income in each and every year to be expended in the purchase of books of permanent value and authority in mathematics and astronomy.

PHILLIPS FUND.—This is a donation made by the late JONATHAN PHILLIPS, of Boston, April, 1853.

Invested in one City of Boston Four per cent. Bond, for . . . \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said library.

Also a bequest by the same gentleman in his will, dated September 20, 1849.

Invested in one City of Boston Six per cent. Bond, for . . . \$20,000 00

The interest on which is to be annually devoted to the maintenance of a Free Public Library.

Both of these items are payable to the Mayor of the city for the time being.

ABBOTT LAWRENCE FUND.—This is the bequest of the late ABBOTT LAWRENCE, of Boston.

Invested in one City of Boston Six per cent. Bond, for . . . \$10,000 00

The interest on this fund is to be exclusively appropriated for the purchase of books for the said library having a permanent value.

EDWARD LAWRENCE FUND.—This is the bequest of the late EDWARD LAWRENCE, of Charlestown. The following clause from his will explains its purpose :

"To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference, to be kept and used only at the Charlestown branch of said Public Library."

Invested in one City of Boston Four per cent. Bond, due April 1, 1916	<u>\$500 00</u>
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PIERCE FUND.—This is a donation made by HENRY L. PIERCE, Mayor of the city, November 29, 1873, and accepted by the City Council, December 27, 1873.

Invested in one City of Boston Four per cent. Bond, for . .	<u>\$5,000 00</u>
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TOWNSEND FUND.—This is a donation from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they may think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the purchase of books for the use of the library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased."

Invested in one City of Boston Five per cent. Bond, for . .	<u>\$4,000 00</u>
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TICKNOR BEQUEST.—By the will of the late GEORGE TICKNOR, of Boston, he gave to the City of Boston, on the death of his wife, all his books and manuscripts in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. After the receipt of said sum, the city is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (*i.e.*, the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years, the income of the said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese language, or in such other languages as may be deemed expedient by those having charge of the Library. These books, bequeathed or purchased, are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building. If these bequests are not accepted by the city, and the trust and conditions faithfully executed, the books, manuscripts, and money are to be given to the President and Fellows of Harvard College.

In order that the city might receive the immediate benefit of this contribution, Anna Ticknor, widow of the donor, relinquished her right to retain during her life the books and manuscripts, and placed them under the control of the city, the City Council having previously accepted the bequests, in accordance with the terms and conditions of said will, and the Trustees of the Public Library received said bequests on behalf of the city, and made suitable arrangements for the care and custody of the books and manuscripts.

Invested in one City of Boston Four per cent. Bond, for . .	<u>\$4,000 00</u>
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FRANKLIN CLUB FUND.—This is a donation made in June, 1863, by a literary association of young men in Boston, who at the dissolution of the association authorized its trustees, Thomas Minns, John J. French, and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: "In

Invested in one City of Boston Four per cent. Bond, for	\$1,000 00
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The City Council accepted said bequest, and authorized the Trustees of the Public Library to receive the same, and to invest it in the City of Boston Bonds, the income of which is to be expended by said trustees, in such manner as they may deem for the best interests of the library.

Invested in the City of Boston Four per cent. Bonds, for .	\$5,550 00
“ “ “ Three and one-half per cent. Bonds, for .	1,400 00
Invested in 16 shares B. & A. R.R. Co. stock, par value \$100 each	1,600 00
Invested in 6 shares B. & P. R.R. Co. stock, par value \$100 each	600 00
Invested in 12 shares Fitchburg R.R. Co. stock, par value \$100 each	1,200 00
Invested in 1 share Vt. & Mass. R.R. Co. stock, par value \$100 each	100 00
	\$10,450 00

"I give to the Charlestown Public Library \$10,000, to be invested on interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library, and the portrait of my grandfather, Richard Devens." Bequest accepted by City Council, July 31, 1877.

Invested in one City of Boston Six per cent. Bond, for	\$10,000 00
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THOMAS B. HARRIS FUND.—Bequest of THOMAS B. HARRIS, late of Charlestown, for the benefit of the Charlestown Public Library.

Invested in one City of Boston Four per cent. Bond, for . \$1,000 00

SCHOLFIELD FUND. — Bequest of the late ARTHUR SCHOLFIELD, who died in New York, January 17, 1883. The interest to be paid to certain heirs during their lives, and then to be used for the purchase of books of permanent value. The last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston the sum of \$11,800, which represents the income of said fund, received by him up to the time of his death, to be added to the fund given by his brother.

Invested in one City of Boston Four per cent. Bond, for	\$50,000 00
“ “ “ “ “ “ “ “	11,800 00
	\$61,800 00

GREEN FUND.—Donations of Dr. SAMUEL A. GREEN of \$2,000, the income of which is to be expended for the purchase of books relating to American history.

Invested in two City of Boston Five per cent. Bonds, for .	\$1,500 00
“ one “ Four “ Bond, for .	500 00
	\$2,000 00

SOUTH BOSTON BRANCH LIBRARY TRUST FUND.—Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library.

Invested in City of Boston Four per cent. Bond, for .	\$100 00
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CHARLES GREELY LORING MEMORIAL FUND.—This is a donation from the family of Charles Greely Loring, the income of which is to be expended for the purchase of books for the West End Branch.

Invested in one City of Boston Four per cent. Bond, for .	\$500 00
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CHARLES MEAD PUBLIC LIBRARY TRUST FUND.—Received from Charles Mead, executor of the estate of Charles Mead, the amount of legacy of the late Charles Mead, to constitute the “Charles Mead Public Library Trust Fund,” for the promotion of the objects of the Public Library, in such manner as the government of said library shall deem best, and so far as the government shall deem consistent with the objects of the library, to be used for the benefit of the South Boston Branch Library.

Cash in treasury, January 31, 1897	\$2,500 00
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FROM MISS VICTORINE THOMAS ARTZ, of Chicago, a fund of ten thousand dollars, “the income of this sum to be employed in the purchase of valuable rare editions of the writings, either in verse or prose, of American and of foreign authors.” These books are to be known as the “Longfellow Memorial collection.” . . . \$10,000 00

RECAPITULATION OF PUBLIC LIBRARY TRUST FUNDS.

Scholfield bequests	\$61,800 00
Bates donation	50,000 00
Phillips bequest	20,000 00
Bowditch bequest	10,000 00
Phillips donation	10,000 00
Charlotte Harris bequest	10,000 00
Abbott Lawrence bequest	10,000 00
Victorine T. Artz fund	10,000 00
Treadwell bequest	10,487 69
Pierce donation	5,000 00
Townsend bequest	4,000 00
Ticknor bequest	4,000 00
Charles Mead Public Library Trust Fund	2,500 00
Green donations	2,000 00
Bigelow donation	1,000 00
Thomas B. Harris bequest	1,000 00
Franklin Club donation	1,000 00
Edward Lawrence bequest	500 00
Charles Greely Loring Memorial Fund	500 00
South Boston Branch Library Trust Fund	100 00
	\$213,887 69

APPENDIX II.

EXTENT OF THE LIBRARY BY YEARS.

YEARS.		Total volumes in the Libraries.	YEARS.		Total volumes in the Libraries.	YEARS.		Total volumes in the Libraries.
1	1852-53	9,688	16	1867-68	144,092	31	1882-83	422,116
2	1853-54	16,221	17	1868-69	152,796	32	1883-84	438,594
3	1854-55	22,617	18	1869-70	160,573	33	1884-85	453,947
4	1855-56	28,080	19	1870-71	179,250	34	1885	460,993
5	1856-57	34,896	20	1871-72	192,958	35	1886	479,421
6	1857-58	79,851	21	1872-73	209,456	36	1887	492,956
7	1858-59	78,043	22	1873-74	260,550	37	1888	505,872
8	1859-60	85,031	23	1874-75	276,918	38	1889	520,508
9	1860-61	97,386	24	1875-76	297,873	39	1890	536,027
10	1861-62	105,034	25	1876-77	312,010	40	1891	556,283
11	1862-63	110,563	26	1877-78	345,734	41	1892	576,237
12	1863-64	116,934	27	1878-79	360,963	42	1893	597,152
13	1864-65	123,016	28	1879-80	377,225	43	1894	610,375
14	1865-66	130,678	29	1880-81	390,982	44	1895	628,297
15	1866-67	136,080	30	1881-82	404,221	45	1896-97	663,763

VOLUMES IN LIBRARY AND BRANCHES, JANUARY 31, 1897,
ACCORDING TO LOCATION.

Central Library.....		488,432	Brighton	16,800
Duplicate-room.....		4,469	Charlestown	29,463
		492,901	Dorchester.....	16,656
			East Boston.....	13,145
			Jamaica Plain.....	13,408
			South Boston.....	14,868
			South End	14,284
			West End	9,974
			West Roxbury.....	3,968
			Lower Mills (Station A).....	88
			Mattapan (Station D)	97
Roxbury branch	Fellowes Athenæum.....	18,123	Mt. Bowdoin (Station F)... ..	1,006
	Collection owned by City.	17,922	North Brighton (Station L)....	75
	Total, Roxbury branch,	36,045	Broadway Ext. (Station P)....	985

APPENDIX III.

NET INCREASE OF THE SEVERAL DEPARTMENTS.

	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896-97.
Bates Hall.....	8,671	9,733	11,857	13,518	15,306	16,499	20,493	32,491	} 11,821	20,273
Lower Hall.....	1,543	874	710	1's 50	1's 23	818	loss 455	746		
Duplicate room.....	443	1's 52	330	419	2,355	1's 9,143	loss 542	1's 8,056	313	2,890
Brighton branch.....	146	46	130	91	167	98	23	292	107	1,217
Charlestown branch..	443	145	1's 70	233	421	22	339	300	loss 16	loss 112
Dorchester branch...	546	423	309	269	222	209	134	358	loss 73	1,415
East Boston branch..	158	170	63	58	59	5	48	126	112	1,021
Jamaica Plain branch	417	335	294	150	214	112	221	329	273	1,277
*North End branch..	9	8	4	12	224	84	75	63	1's 1,861	
Roxbury branch.....	262	280	199	146	308	loss 352	147	382	48	1,202
Fellowes Athenæum.	358	390	397	361	438	289	318	318	407	348
South Boston branch.	310	284	159	115	200	51	55	401	loss 289	1,509
South End branch...	204	260	248	187	365	loss 67	26	276	138	1,435
West End branch....	.....	.....	.....	.....	.....	.....	.....	1,897	6,522	1,555
W. Roxbury branch..	25	20	6	10	.....	.....	33	4	626	loss 8
Lower Mills Reading-room.....	.....	.....	.....	.....	.....	.....	.....	.....	85	3
Mattapan Reading-room.....	.....	.....	.....	.....	.....	.....	.....	.....	73	24
Mt. Bowdoin Reading-room.....	.....	.....	.....	.....	.....	.....	.....	.....	74	932
North Brighton Reading-room.....	.....	.....	.....	.....	.....	8	.....	.....	74	loss 7
Broadway Extension Reading-room.....	.....	.....	.....	.....	.....	.....	.....	.....	261	724
Total.....	13,535	12,916	14,636	15,519	20,256	8,633	20,915	29,927	18,695	35,698

* Collection transferred to West End branch.

APPENDIX III. — *Continued.*

LOCATED FEBRUARY 1, 1896 — JANUARY 31, 1897.

	Located.	Condemned or missing.	Net gain.
Central Library.....	23,762	3,429	20,273
Duplicate room.....	2,890	.....	2,890
Brighton branch.	1,274	57	1,217
Charlestown branch.....	1,694	* 1,806	Loss 112
Dorchester branch.....	1,656	241	1,415
East Boston branch.....	1,332	† 311	1,021
Jamaica Plain branch.....	1,401	124	1,277
Roxbury branch, City collection.....	1,770	568	1,202
Fellowes Athenæum.....	433	85	348
South Boston branch.....	2,129	620	1,509
South End branch.....	1,527	92	1,435
West End branch.....	1,629	74	1,555
West Roxbury branch.....	1,419	† 1,427	Loss 8
Lower Mills Reading-room.....	3	.....	
Mattapan Reading-room.....	24	.....	24
Mt. Bowdoin Reading-room.....	934	2	932
North Brighton Reading-room.....	.....	7	Loss 7
Broadway Extension Reading-room.....	769	45	724
	44,586	8,888	35,698

* 1,613 transferred to Central Library. † 82 transferred to Central Library.

† 192 transferred to Central Library. Includes the collection of books destroyed by fire some years ago, which appears not to have been included in the annual tables before.

VOLUMES IN THE SPECIAL COLLECTIONS.

	1882.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896-97.
Patent library.....	3,142	3,796	3,965	4,097	4,218	4,269	4,385	4,551	5,531	5,733	5,971
Bowditch library.....	3,224	4,706	4,935	5,225	5,348	5,509	5,626	5,717	6,003	6,077	6,192
Parker library.....	12,363	14,077	14,104	14,112	14,114	14,116	14,116	14,116	13,819	13,820	13,845
Prince library.....	2,274	2,775	2,824	2,905	2,935	2,953	3,000	3,025	* 2,045	2,045	2,045
Ticknor library.....	5,463	5,790	5,877	5,923	5,966	5,981	6,016	6,096	6,086	6,149	6,165
Barton library.....	13,487	13,841	13,755	13,724	13,735	13,740	13,764	13,775	13,624	13,627	† 13,491
Franklin library.....	240	403	416	427	446	465	482	489	565	578	582
Thayer library.....	803	1,280	1,368	1,427	1,500	1,500	3,984	5,269	5,383	5,384	5,385
John A. Lewis library.....						596	617	621	679	679	679
Gilbert library.....								420	422	422	422
Tosti library (1869, 129 vols.).....									129	129	129
Hunt library (1877, 669 vols.).....									669	669	669
Adams library.....									2,819	2,819	2,819
Allen A. Brown library.....									6,382	6,990	7,671
Chamberlain library.....									150	150	150
Military library.....									308	315	321
U. S. Congressional docs.....										3,629	3,763
Gr. Br. Parl. papers.....										6,476	6,584

* Actual enumeration of original Prince library. Account is now made elsewhere of additions purchased by the city for this collection.

† There has been no loss in the Barton library, but a correction of an error of 138 previously made.

APPENDIX IV.

CENTRAL LIBRARY CLASSIFICATIONS.

(Representing books located only.)

CLASS No.	CLASSES.	CENTRAL LIBRARY.			SPECIAL LIBRARIES.																	Total including special libraries.	
		Located 1896.	Condensed, lost and transferred deducted.	Total in Central library, Jan. 31, 1897.	1858	1861	1866	1871	1873	1875	1880	1889		1890	1894	1894	1894	1877	1892	1869			
					Bowditch library.	Parker library.	Prince library.	Ticknor library.	Barton library.	Thayer library.	Franklin library.	Gilbert library.	Patent library.	John A. Lewis library.	Adams library.	Brown library.	Chamberlain library.	Hunt library.	Military library.	Tosti library.	Newspaper room.		Stack 4 Lower Hall Unclassified.
I.	Cyclopædias, etc.....	39	2	1,780	249	322	6	.....	21	15	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	2,398
II.	Bibliography and literary history.....	495	14	12,013	35	615	5	278	690	31	10	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	13,685
III.	General history, biography, travel, and geography.....	447	16	13,224	17	647	43	54	135	424	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	14,547
IV.	American history, geography, biography, travel, and polite literature.....	4,759	98	61,979	107	1,090	833	362	812	385	463	75	845	679	.....	.....	.....	669	321	.....	.....	.....	68,620
V.	English history, etc.....	3,685	51	42,863	77	858	114	21	3,204	2,459	18	270	4,192	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,076
VI.	French history, etc.....	1,095	40	22,574	60	520	7	58	2,474	670	8	4	410	.....	.....	.....	.....	.....	.....	.....	.....	.....	26,785
VII.	Italian history, etc.....	245	8	10,686	11	336	2	31	337	184	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,578
VIII.	German history, etc.....	707	41	15,853	9	1,423	8	26	254	191	1	2	379	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,146
IX.	Greek, Latin, and philology.....	267	14	9,357	9	1,181	197	132	617	23	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,521
X.	Spanish and Portuguese history and literature.....	89	2	2,340	22	95	.....	4,167	200	64	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,390
XI.	Oriental history, geography, biography, travel, and literature.....	656	8	12,869	2	329	1	4	225	61	.....	.....	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,519
XII.	Periodicals.....	704	9	21,672	1,387	732	5	250	471	53	.....	14	.....	.....	.....	.....	.....	.....	.....	.....	4,419	.....	29,003
XIII.	Theology, ecclesiastical history, etc.....	733	35	31,755	147	3,518	683	381	245	248	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36,989
XIV.	Metaphysics and social science.....	1,009	37	18,534	6	1,360	52	121	130	66	29	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,300
XV.	Jurisprudence.....	186	9	7,684	3	307	14	63	28	2	.....	.....	101	.....	2,819	.....	.....	.....	.....	.....	.....	.....	11,021
XVI.	Political economy.....	637	13	6,521	65	98	.....	24	17	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,727
XVII.	Medical science.....	644	36	20,093	3	75	23	5	27	5	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,235
XVIII.	Natural history and science.....	583	19	13,780	15	170	1	32	89	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14,118
XIX.	Mathematics and physical science.....	701	26	18,039	3,882	136	25	63	48	2	19	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22,215
XX.	Useful arts.....	734	60	12,753	9	13	.....	36	16	59	5	1	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,896
XXI.	Fine arts.....	1,083	42	14,417	.....	30	1	14	43	400	.....	.....	.....	.....	.....	7,671	.....	.....	.....	129	.....	.....	22,705
XXII.	Bound volumes of miscellaneous pamphlets.....	.....	—10	10	13	.....	.....	.....	84	10	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	147
XXIII.	Bound volumes of manuscripts.....	14	.....	60	6	.....	24	43	93	.....	9	.....	.....	.....	.....	* 150	.....	.....	.....	.....	.....	.....	385
XXIV.	Shakespeare.....	14	.....	14	.....	.....	1	.....	3,231	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,246
XXV.	Books for the blind.....	.....	.....	540	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	540
XXVI.	Transactions.....	152	51	6,907	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,965
XXVII.	Stack 4.....	2,921	2,785	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38,680	38,680
Totals.....		22,599	3,426	378,797	6,192	13,845	2,045	6,165	13,491	5,385	582	422	5,971	679	2,819	7,671	* 150	669	321	129	4,419	38,680	488,432

EXPLANATION. — Class III. includes general history, etc., when embracing several countries, and collected works of historians.
Class IV. includes the collected works of American writers, and what of American literature is sometimes termed "polygraphy."

Classes V., VI., VII., and VIII. have the same scope for the respective countries that Class IV. has for America.

Class VIII. includes also Belgium, the Netherlands, Switzerland, and the Scandinavian nations.

Class XIV. includes political science and ethics, education, philology, etc.

Class XIX. includes mechanics, military and naval arts, agriculture, domestic arts, etc.

Class XXII. — Ten volumes have been taken apart, their pamphlets separately bound, being relocated in their proper classes and added as volumes.

Class XXIV. does not include the Shakespeare collection of the general library.

Class XXVII. contains the former "Lower Hall" collection, which has a different classification.

* Framed.

NOTE. — The dates given in the special libraries column show the year when they were acquired by the library.

The totals given above are based upon actual count made after the removal in January, 1895.

APPENDIX V.

CLASSIFICATION.

BRANCH LIBRARIES, JANUARY 31, 1897, AS REPORTED BY CUSTODIANS OF BRANCHES.

	Brighton.	Charlestown.	Dorchester.	East Boston.	Jamaica Plain.	ROXBURY.		South Boston.	South End.	West End.	West Roxbury.
						Branch.	Fellows Athenæum.				
Reference-books.....	350	1,663	305	317	259	57	160	395	166	463	81
Genealogy and Heraldry.....	50	300	2	25	5	40	85	5	3	7	
Biography.....	1,025	1,520	1,532	1,063	1,101	1,274	2,371	1,220	1,640	1,161	412
History.....	1,321	3,022	1,217	995	1,174	1,187	2,283	1,149	1,083	805	312
Fine Arts, Archaeology.....	12	301	207	74	271	62	476	140	118	171	213
Geography, Travels...	790	1,282	1,087	646	739	840	2,128	889	1,259	628	254
Language.....	15	293	52	90	95	50	150	65	42	105	
Literature.....	1,950	4,643	1,944	1,863	1,223	1,978	3,820	1,519	1,332	977	391
Medicine, Hygiene....	6	474	120	77	82	77	371	99	138	61	
Natural Science.....	940	3,000	328	93	294	276	510	545	563	422	
Philosophy, Ethics, Education.....	450	500	194	44	132	436	296	133	306	207	
Religion, Theology....	910	1,454	365	331	128	651	1,281	316	298	842	163
Sociology.....	1,200	425	278	155	110	500	661	230	197	202	
Law.....	9	658	24	14	31	40	122	25	43	5	
Useful and Industrial Arts.....	100	200	189	81	181	274	156	353	199	76	
Amusements, Games, Sports.....	50	26	84	61	47	206	66	58	98	59	
Fiction.....	4,384	1,775	5,253	4,432	4,407	4,631	956	4,267	4,199	1,337	937
Books for the young..	1,700	1,000	2,489	2,217	1,797	2,323	25	1,807	2,250	1,972	1,121
Bound periodicals....	12	2,986	986	567	1,332	3,020	2,206	1,653	350	474	72
Unclassified.....	1,526										12
Harris Collection.....		3,941									
Total.....	16,800	29,463	16,656	13,145	13,408	17,922	18,123	14,868	14,284	9,974	3,968

CARDS ISSUED, FEBRUARY 1, 1896—JANUARY 31, 1897.																		
Live cards, February 1, 1896.	RE-REGISTRATIONS.				NEW REGISTRATIONS.				RENEWALS.				Total No. of cards.	Expired (issued February 1, 1895— December 31, 1895).	Live cards, January 31, 1897.	Lost cards replaced.		
	Males.		Females.		Males.		Females.		Males.		Females.					Paid for.	After delay.	
	Over 21 years.	Under 21 years.	Over 21 years.	Under 21 years.	Over 21 years.	Under 21 years.	Over 21 years.	Under 21 years.	Over 21 years.	Under 21 years.	Over 21 years.	Under 21 years.						
Central.....	1,133	163	1,402	129	3,830	1,748	4,079	1,521	2,500	633	2,859	477	37,514	14,458	23,056	346	1,718	7,335
Brighton	29	25	59	21	49	91	80	110	62	69	124	98	1,766	854	912	6	20	248
Charlestown ...	82	22	94	37	155	244	129	227	139	172	246	242	3,957	1,799	2,158	18	100	562
Dorchester	98	32	211	40	100	223	139	184	217	229	459	228	4,138	1,693	2,445	10	173	684
East Boston. ...	54	30	78	25	78	283	121	231	175	280	252	309	4,107	1,827	2,280	30	204	899
Jamaica Plain ..	133	63	322	67	167	306	315	288	162	304	563	318	5,487	2,303	3,184	21	179	550
Roxbury	91	68	199	53	85	319	188	436	265	426	594	426	6,455	2,892	3,563	27	275	918
South Boston ...	82	28	94	26	195	380	210	343	207	418	370	397	5,438	2,249	3,189	21	473	2,172
South End	40	14	129	17	101	118	224	191	117	84	321	113	3,566	1,873	1,693	12	115	2,276
West End	84	26	116	26	804	640	573	687	51	42	40	37	3,126	.....	3,126	27	175	549
Total	1,826	471	2,704	441	5,564	4,352	6,118	4,218	3,895	2,677	5,828	2,645	75,554	29,948	45,606	518	3,432	16,193

N.B.—The "Central" figures include those of Stations D, F, G, J, K, L, M, N, P, Q, R, and S; the "Dorchester" figures those of Stations A, E, and H; and the "Jamaica Plain" figures those of Stations B and C.

Live cards outstanding January 31, 1897, 45,606; February 1, 1896, 34,842; gain, 10,764 = 30.9-10 per cent.

CLASSIFICATION OF HOLDERS OF "LIVE CARDS"
JANUARY 31, 1897.

BY SEX AND OCCUPATION.

CLASSES.	Permanent residents.	* Non-residents.	Special cards.
MALES.			
<i>Over 21 years of age.</i>			
Professional classes.....	2,479	36	72
Teachers	253	73	4
Students	760	660	—
Business men.....	5,428	33	8
Unemployed	1,288	107	—
Laborers	534	—	—
<i>Under 21 years of age.</i>			
Clerks	1,106	2	—
Office and errand boys.....	465	—	—
Unemployed.	283	1	—
Pupils of Latin and High schools.....	685	7	—
Pupils of Grammar schools	6,024	—	—
Other students	275	45	—
FEMALES.			
<i>Over 21 years of age.</i>			
Professional classes	117	3	19
Teachers.....	1,136	103	11
Students	352	675	—
Business women.....	2 621	20	—
Married	6,171	12	—
Single, unemployed	5,085	323	—
<i>Under 21 years of age.</i>			
Clerks.....	1,205	1	—
Errand girls.....	146	—	—
Unemployed	789	21	—
Pupils of Latin and High schools.....	882	5	—
Pupils of Grammar schools.....	5,084	—	—
Other students.....	177	20	—
Totals.	43,345	2,147	114

* Including persons temporarily sojourning in Boston.

N.B. — Of the 1,213 teachers' cards issued prior to February 1, 1897, 795 are live cards; of these, 629 are held by permanent residents, in addition to their ordinary cards (not included in permanent residents' column above), and 166 are held by non-residents (which are included in non-residents' column above).

BY WARDS.

Ward No.	No. of card holders	Population census of '95.	Percentage of card holders.	Ward No.	No. of card holders	Population census of '95.	Percentage of card holders.
1...	1,145	21,007	.0545	14..	1,471	19,186	.0766
2...	726	21,588	.0336	15..	978	18,623	.0525
3...	928	13,943	.0665	16..	1,108	16,320	.0678
4...	562	13,375	.0420	17..	1,030	21,114	.0487
5...	819	12,986	.0630	18..	1,181	21,679	.0544
6...	630	27,860	.0226	19..	1,374	22,372	.0614
7...	1,260	16,973	.0742	20..	2,906	21,528	.1349
8...	3,469	23,130	.1499	21..	3,122	19,274	.1349
9...	1,891	23,174	.0816	22..	1,854	22,289	.0831
10...	5,272	22,554	.2337	23..	1,831	18,283	.1000
11...	3,218	19,930	.1614	24..	2,387	18,240	.1308
12...	3,412	21,591	.1580	25..	1,925	15,001	.1283
13...	1,107	24,900	.0444	Total	45,606	496,920	.0917

PUBLIC SCHOOLS, TEACHERS, AND PUPILS.

JANUARY 31, 1897.

GENERAL SCHOOLS.	Number of schools.	NUMBER OF REGULAR TEACHERS.			Number of pupils at date.
		Men.	Women.	Total.	
Normal.....	1	2	9	11	261
Latin and High.....	11	74	78	152	4,574
Grammar.....	56	117	650	767	35,886
Primary.....	525	.....	525	525	27,827
Kindergartens	61	.....	119	119	3,401
Totals.....	654	193	1,381	1,574	71,949

SPECIAL SCHOOLS.	Number of schools.	NUMBER OF REGULAR TEACHERS.			Average number of pupils.
		Men.	Women.	Total.	
Horace Mann.....	1	.....	.....	13	108
Spectacle Island.....	1	.....	.....	1	25
Evening High:	1	.....	.....	.....	.....
Central.....	.....	.....	.....	27	2,059
Charlestown .....	.....	.....	.....	7	215
East Boston.....	.....	.....	.....	7	175
Evening Elementary.....	12	.....	.....	151	3,308
Evening Drawing.....	5	.....	.....	27	637
Totals	20	.....	.....	233	6,527
Special teachers (not included above), .....	.....	21	75	96	.....

APPENDIX VII.

CIRCULATION.

HOME USE ONLY.

	CENTRAL LIBRARY.		BRANCHES.	
	1895.	1896-97.	1895.	1896-97.
From Central	251,561	285,560		
Through Branches & Delivery Stations:				
Brighton	129	285	*23,637	*27,047
Charlestown....	509	688	59,930	53,555
Dorchester	601	690	*56,097	*50,098
East Boston	844	864	66,386	63,443
Jamaica Plain.....	1,257	1,573	*49,704	*48,415
North End (3 mos.)....	337			
Roxbury	710	533	94,073	*82,732
South Boston.....	430	852	97,104	77,999
South End.....	1,209	1,359	89,219	83,767
West End		885		81,428
West Roxbury	1,021	1,187	{ 9,982 1,690 from J. P.	{ 16,658 629 from J. P.
Station A.....	942	1,678	3,716 from Dor.	2,752 from Dor'ter.
B.....	1,583	2,584	4,826 from J. P.	{ 9,730 from deposit. 3,235 from J. P.
D.....	4,013	4,617		
E.....	66	775	4,382 from Dor.	3,280 from Dor'ter.
F.....	2,449	2,438		5,439
G.....	1,398	1,491	752 from Bri.	{ 6,961 from deposit. 261 from Brig'n.
H.....	1,919	2,607	1,734 from Dor.	{ 2,649 from deposit. 1,726 from Dor'ter.
J.....	2,522	1,547		7,759 from deposit.
K.....	1,411	2,516		
L.....	351	1,696		2,492 " "
M.....	1,398	1,428		3,218 " "
N.....	2,784	3,228	4,109 from deposit.	10,603 " "
P.....	50	1,111	486	12,541 " "
Q.....		2,738		9,287 " "
R.....		1,308		{ 976 from Rox'y. 9,850 from deposit.
S.....		6		235 " "
Hancock School.....		10		
Total	279,494	326,254	567,827	678,765

	1895.	1896.	Gain, 1896.
Central Library	279,494	326,254	46,760
Branches	567,827	678,765	110,938
Total	847,321	1,005,019	157,698 = 18%

* See also number sent to Delivery Stations from this branch.

APPENDIX VIII.

TRUSTEES FOR FORTY-FIVE YEARS.

The Hon. Edward Everett was President of the Board from 1852 to 1864; the late George Ticknor in 1865; William W. Greenough, Esq., from 1866 to April, 1888; from May 7, 1888, to May 12, 1888, Prof. Henry W. Haynes; Samuel A. B. Abbott, Esq., May 12, 1888, to April 30, 1895; Hon. F. O. Prince since October 8, 1895.

The Board for 1852 was a preliminary organization; that for 1853 made what is called the first annual report. At first it consisted of one alderman and one common councilman and five citizens at large till 1867, when a revised ordinance made it to consist of one alderman, two common councilmen and six citizens at large, two of whom retired, unless reëlected, each year, while the members from the City Council were elected yearly. In 1878 the organization of the Board was changed to include one alderman, one councilman and five citizens at large, as before 1867; and in 1885, by the provisions of the amended city charter, the representation of the city government upon the Board, by an alderman and a councilman, was abolished, leaving the Board as at present, consisting of five citizens at large.

Citizens at large in SMALL CAPITALS.

ABBOTT, SAMUEL A. B., 1879-95.
 Allen, James B., 1852-53.
 APPLETON, THOMAS G., 1852-57.
 Barnes, Joseph H., 1871-72.
 BENTON, JOSIAH H., JR., 1894-96.
 BIGELOW, JOHN P., 1852-68.
 BOWDITCH, HENRY I., 1865-68.
 BOWDITCH, HENRY P., 1894-96.
 Bradley, John T., 1869-70.
 Bradt, Herman D., 1872-73.
 Braman, Jarvis D., 1868-69.
 BRAMAN, JARVIS D., 1869-72.
 Brown, J. Coffin Jones, 1861-62.
 Burditt, Charles A., 1873-76.
 Carpenter, George O., 1870-71.
 CARR, SAMUEL, 1895-96.
 CHASE, GEORGE B., 1876-85.
 Clark, John M., 1855-56.
 Clark, John T., 1873-78.
 CLARKE, JAMES FREEMAN,
 1878-88.
 Clapp, William W., Jr., 1864-66.
 Coe, Henry F., 1878.
 Crane, Samuel D., 1860-61.
 CURTIS, DANIEL S., 1873-75.

DeNORMANDIE, JAMES, 1895-96.
 Dennie, George, 1858-60.
 Dickinson, M. F., Jr., 1871-72.
 Drake, Henry A., 1863-64.
 Erving, Edward S., 1852.
 EVERETT, EDWARD, 1852-64.
 Flynn, James J., 1883.
 Frost, Oliver, 1854-55; 1856-58.
 FROTHINGHAM, RICHARD, 1875-79.
 Gaffield, Thomas, 1867-68.
 GREEN, SAMUEL A., 1868-78.
 GREENOUGH, WILLIAM W., 1856-88.
 Guild, Curtis, 1876-77; 1878-79.
 Harris, William G., 1869-70.
 Haynes, Henry W., 1858-59.
 HAYNES, HENRY W., 1880-95.
 HILLARD, GEORGE S., 1872-75;
 1876-77.
 Howes, Osborne, Jr., 1877-78.
 Ingalls, Melville E., 1870-71.
 Jackson, Patrick T., 1864-65.
 Jenkins, Edward J., 1885.
 Keith, James M., 1868-70.
 Kimball, David P., 1874-76.
 Lawrence, James, 1852.

Lee, John H., 1884-85.
Lewis, Weston, 1867-68.
LEWIS, WESTON, 1868-79.
LEWIS, WINSLOW, 1867.
Little, Samuel, 1871-73.
Messinger, George W., 1855.
Morse, Godfrey, 1883-84.
MORTON, ELLIS W., 1870-73.
Munroe, Abel B., 1854.
Newton, Jeremiah L., 1867-68.
Niles, Stephen R., 1870-71.
O'Brien, Hugh, 1879-82.
Pease, Frederick, 1872-73.
Perkins, William E., 1873-74.
Perry, Lyman, 1852.
PIERCE, PHINEAS, 1888-94.
Plummer, Farnham, 1856-57.
Pope, Benjamin, 1876-77.
Pope, Richard, 1877-78.
Pratt, Charles E., 1880-82.
PRINCE, FREDERICK O., 1888-96.
PUTNAM, GEORGE, 1868-77.
Reed, Samson, 1852-53.
RICHARDS, WILLIAM R., 1889-95.

Sanger, George P., 1860-61.
Sears, Phillip H., 1859-60.
Seaver, Benjamin, 1852.
Shepard, Harvey N., 1878-79.
SHURTLEFF, NATHANIEL B.,
1852-68.
Stebbins, Solomon B., 1882-83.
Story, Joseph, 1855-56; 1865-67.
THOMAS, BENJAMIN F., 1877-78.
TICKNOR, GEORGE, 1852-66.
Tyler, John S., 1863-64; 1866-67.
WALKER, FRANCIS A., 1896.
Warren, George W., 1852-54.
Washburn, Frederick L., 1857-58.
WHIPPLE, EDWIN P., 1868-70.
Whitmore William H., 1882-83.
WHITMORE, WILLIAM H., 1885-88.
Whitney, Daniel H., 1862-63.
Whitten, Charles V., 1883-85.
Wilson, Elisha T., 1861-63.
Wilson, George, 1852.
WINSOR, JUSTIN, 1867.
Wolcott, Roger, 1879.
Wright, Albert J., 1868-69.

APPENDIX IX.

EXAMINING COMMITTEES FOR FORTY-FIVE YEARS.

The following have served on the Examining Committees for the years given. The names in *italics* are those of Trustees who have acted as chairmen of the various committees. The thirty-fourth year was from May 1 to December 31, 1885, a period of eight months, for which no Examining Committee was appointed.

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|--|--|
| <p>Abbott, <i>Hon. J. G.</i>, 1870.
 <i>Abbott, S. A. B.</i>, 1880, 1894.
 Adams, Brooks, 1894.
 Adams, Nehemiah, <i>D.D.</i>, 1860.
 Adams, Wm. T., 1875.
 Alger, <i>Rev. Wm. R.</i>, 1870.
 Amory, <i>Miss Anna S.</i>, 1890, 1891.
 Andrew, <i>Hon. John F.</i>, 1888.
 Andrews, Augustus, 1892, 1893.
 Appleton, <i>Hon. Nathan</i>, 1854.
 Apthorp, Wm. F., 1883.
 Arnold, Howard P., 1881.
 Aspinwall, <i>Col. Thomas</i>, 1860.
 Attwood, G., 1877.
 Bailey, Edwin C., 1861.
 Ball, Joshua D., 1861.
 Bancroft, Robert H., 1894.
 Bangs, Edward, 1887.
 Barnard, James M., 1866.
 Barry, <i>Rev. Richard J.</i>, 1895.
 Bartlett, Sidney, 1869.
 Bates, <i>Hon. John L.</i>, 1896.
 Beebe, James M., 1858.
 Beecher, <i>Rev. Edward</i>, 1854.
 Bent, Samuel Arthur, 1890, 1891.
 Bigelow, Jacob, <i>M.D.</i>, 1857.
 <i>Bigelow, Hon. John P.</i>, 1856.
 Blagden, George W., <i>D.D.</i>, 1856.
 Blake, John G., <i>M.D.</i>, 1883, 1891.
 Blake, <i>Mrs. Mary E.</i>, 1894.
 Bodfish, <i>Rev. Joshua P.</i>, 1879, 1891.
 Bowditch, Henry I., <i>M.D.</i>, 1855.
 <i>Bowditch, Henry I.</i>, <i>M.D.</i>, 1865.
 Bowditch, Henry P., <i>M.D.</i>, 1881.
 Bowditch, J. Ingersoll, 1855.
 Bowman, Alfonzo, 1867.
 Bowne, <i>Prof. Borden P.</i>, 1896.
 Bradford, Charles F., 1868.
 Brewer, Thomas M., 1865.
 Brimmer, <i>Hon. Martin</i>, 1890, 1891.
 Brooks, <i>Rev. Phillips</i>, 1871.
 Brown, Allen A., 1894.</p> | <p>Browne, Alex. Porter, 1891.
 Browne, Causten, 1876.
 Buckingham, C. E., <i>M.D.</i>, 1872.
 Burdett, Everett W., 1896.
 Burroughs, <i>Rev. Henry, Jr.</i>, 1869.
 Carr, Samuel, 1894.
 Carruth, Herbert S., 1892.
 Chadwick, James R., <i>M.D.</i>, 1877.
 Chamberlain, <i>Hon. Mellen</i>, 1894.
 Chaney, <i>Rev. George L.</i>, 1868.
 Chase, George B., 1876.
 <i>Chase, George B.</i>, 1877, 1885.
 Cheever, David W., <i>M.D.</i>, 1894.
 Cheever, <i>Miss Helen</i>, 1896.
 Cheney, <i>Mrs. Ednah D.</i>, 1881.
 Clapp, <i>William W., Jr.</i>, 1864.
 Clarke, James Freeman, <i>D.D.</i>, 1877.
 <i>Clarke, James Freeman, D.D.</i>, 1882.
 Clement, Edward H., 1894, 1895.
 Coale, George, O. G., 1892, 1893.
 Collar, William C., 1874.
 Corbett, <i>Hon. Joseph J.</i>, 1896.
 Cudworth, Warren H., <i>D.D.</i>, 1878.
 Curtis, Charles P., 1862.
 Curtis, Daniel S., 1872.
 Curtis, Thomas B., <i>M.D.</i>, 1874.
 Cushing, Thomas, 1885.
 Dalton, Charles H., 1884.
 Dana, Samuel T., 1857.
 Dean, Benjamin, 1873.
 Denny, Henry G., 1876.
 Derby, Hasket, <i>M.D.</i>, 1895, 1896.
 Dexter, <i>Rev. Henry M.</i>, 1866.
 Dillingham, <i>Rev. Pitt</i>, 1886.
 Dix, James A., 1860.
 Doherty, Philip J., 1888.
 Donahoe, Patrick, 1869.
 Durant, Henry F., 1863.
 Duryea, Joseph T., <i>D.D.</i>, 1880.
 Dwight, John S., 1868.
 Dwight, Thomas, <i>M.D.</i>, 1880.
 Eastburn, Manton, <i>D.D.</i>, 1863.</p> |
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- Eaton, William S., 1887.
 Edes, Henry H., 1886.
 Eliot, Samuel, *L.L.D.*, 1868.
 Ellis, Arthur B., 1888, 1889.
 Ellis, Calvin, *M.D.*, 1871.
 Ellis, George E., *D.D.*, 1881.
 Endicott, William, Jr., 1878.
 Evans, George W., 1887, 1888, 1889.
 Everett, Sidney, 1895.
 Farlow, John W., *M.D.*, 1892, 1893.
 Field, Walbridge A., 1866.
 Fields, James T., 1872.
 Fitz, Reginald H., 1879.
 Fitz, Walter Scott, 1894.
 Foote, *Rev.*, Henry W., 1864.
 Fowle, William F., 1864.
 Freeland, Charles W., 1867.
 Frost, Oliver, 1854.
 Frothingham, Richard, 1876.
 Furness, Horace Howard, *L.L.D.*, 1882.
 Gannett, Ezra S., *D.D.*, 1855.
 Garland, George M., *M.D.*, 1895, 1896.
 Gay, George H., 1876.
 Gilchrist, Daniel S., 1872.
 Gordon, George A., *D.D.*, 1885.
 Gould, A. A., *M.D.*, 1864.
 Grant, Robert, 1884.
 Gray, John C., Jr., 1877.
 Green, Samuel A., *M.D.*, 1868.
 Green, Samuel S., 1895.
 Greenough, William W., 1858, 1874, 1883, 1886.
 Grinnell, *Rev. C. E.*, 1874.
 Hale, *Rev. Edward E.*, 1858.
 Hale, *Mrs. George S.*, 1887, 1888.
 Hale, Moses L., 1862.
 Hale, Philip, 1893.
 Haskins, *Rev. George F.*, 1865.
 Hassam, John T., 1885.
 Hayes, *Hon. F. B.*, 1874.
 Haynes, Henry W., 1879.
 Haynes, Henry W., 1881, 1884.
 Hayward, George, *M.D.*, 1863.
 Heard, John, Jr., 1888, 1889, 1891.
 Heard, John T., 1853.
 Hellier, Charles E., 1895.
 Herford, Brooke, *D.D.*, 1884.
 Herrick, Samuel E., *D.D.*, 1888, 1889.
 Hersey, Miss Heloise E., 1895, 1896.
 Higginson, Thomas W., 1883.
 Hill, Clement Hugh, 1880.
 Hillard, *Hon. George S.*, 1853.
 Hillard, *Hon. George S.*, 1873.
 Hodges, Richard M., *M.D.*, 1870.
 Holmes, Edward J., 1881, 1884.
 Holmes, Oliver W., *M.D.*, 1858.
 Holmes, Oliver W., Jr., 1882.
 Homans, Charles D., *M.D.*, 1867.
 Homans, *Mrs. Charles D.*, 1885, 1886, 1887.
 Homer, George, 1870.
 Homer, Peter T., 1857.
 Hubbard, James M., 1891.
 Hubbard, William J., 1858.
 Hudson, John E., 1895, 1896.
 Hunnewell, James F., 1880, 1893, 1894.
 Hutchins, Miss Emma, 1895, 1896.
 Hyde, George B., 1879.
 Irwin, Miss Agnes, 1894.
 Jeffries, B. Joy, *M.D.*, 1869.
 Jeffries, William A., 1893.
 Jenkins, Charles E., 1879.
 Jewell, *Hon. Harvey*, 1863.
 Jordan, Eben D., 1873.
 Kidder, Henry P., 1870.
 Kimball, David P., 1874.
 Kimball, Henry H., 1865.
 Kirk, Edward N., *D.D.*, 1859.
 Lawrence, *Hon. Abbott*, 1853.
 Lawrence, Abbott, 1859.
 Lawrence, Miss Harriette S., 1890.
 Lawrence, James, 1855.
 Lee, Miss Alice, 1889, 1890, 1891.
 Lewis, Weston, 1872, 1878.
 Lincoln, *Hon. F. W.*, 1856.
 Lincoln, Solomon, 1886.
 Little, James L., 1864.
 Lombard, *Prof. Josiah L.*, 1868.
 Loring, *Hon. Charles G.*, 1855.
 Lothrop, Loring, 1866.
 Lowell, Augustus, 1883.
 Lowell, Edward J., 1885.
 Lunt, *Hon. George*, 1874.
 Lyman, George H., *M.D.*, 1885.
 McCleary, Samuel F., 1890.
 McNulty, *Rev. John J.*, 1896.
 Manning, *Rev. Jacob M.*, 1861.
 Mason, *Rev. Charles*, 1857.
 Mason, Robert M., 1869.
 Maxwell, J. Audley, 1883.
 Metcalf, *Rev. Theodore A.*, 1888, 1889.
 Minns, Thomas, 1864.
 Minot, Francis, 1866.
 Morison, Miss Mary, 1892, 1893, 1895.
 Morrill, Charles J., 1885.
 Morse, John T., Jr., 1879.
 Morse, Robert M., Jr., 1878.
 Morton, *Hon. Ellis W.*, 1871.
 Mudge, *Hon. E. R.*, 1871.
 Neale, Rollin H., *D.D.*, 1853.
 Noble, John, 1882.
 Norcross, Otis, 1880.
 O'Brien, *Hon. Hugh*, 1879.
 O'Callaghan, John J., 1895.
 O'Reilly, John Boyle, 1878.
 Otis, G. A., 1860.
 Paddock, *Rt. Rev. Benj. H.*, 1876.
 Parker, Charles Henry, 1888, 1889.
 Parkman, Henry, 1885.
 Parks, *Rev. Leighton*, 1882, 1896.
 Perkins, Charles C., 1871.

- Perry, Thomas S., 1879, 1882, 1883,
 1884, 1885, 1890, 1891.
 Phillips, John C., 1882.
 Phillips, Jonathan, 1854.
 Pierce, *Hon.* Henry L., 1891.
 Pingree, *Miss* Lalia B., 1894.
 Prescott, William H., *LL.D.*, 1853.
 Prince, *Hon.* F. O., 1888, 1889, 1890,
 1891, 1892, 1893, 1895, 1896.
 Putnam, *George, D.D.*, 1870.
 Putnam, *Hon.* John P., 1865.
 Randall, Charles M., *M.D.*, 1884.
 Rice, *Hon.* Alexander H., 1860.
 Robbins, Elliott, *M.D.*, 1893.
 Rogers, *Prof.*, William B., 1861.
 Rollins, J. Wingate, 1888, 1889.
 Ropes, John C., 1872.
 Rotch, Benjamin S., 1863.
 Runkle, *Prof.* J. D., 1882.
 Russell, Samuel H., 1880.
 Sampson, O. H., 1892, 1893.
 Sanger, *Hon.* George P., 1860.
 Seaver, Edwin P., 1881.
 Shepard, *Hon.* Harvey N., 1888,
 1889.
 Sherwin, *Mrs.* Thomas, 1893, 1894.
 Shurtleff, *Hon.* Nathaniel B., 1857.
 Smith, Azariah, 1895, 1896.
 Smith, Charles C., 1873.
 Smith, *Mrs.* Charles C., 1881, 1886.
 Smith, *Miss* Minna, 1892.
 Sowdon, A. J. C., 1892, 1893.
 Sprague, Charles J., 1859.
 Sprague, Homer B., 1882.
 Stedman, C. Ellery, *M.D.*, 1888.
 Stevens, Oliver, 1858.
 Stevenson, *Hon.* J. Thomas, 1856.
 Stockwell, S. N., 1861.
 Stone, *Col.* Henry, 1885, 1886, 1887.
 Story, Joseph, 1856.
 Sullivan, Richard, 1883, 1884.
 Teele, John O., 1886.
 Thaxter, Adam W., 1855.
 Thayer, George A., 1875.
 Thayer, *Rev.* Thomas B., 1862.
 Thomas, B. F., 1875.
 Thomas, Seth J., 1856.
 Ticknor, *Miss* Anna E., 1891.
 Ticknor, *George*, 1853, 1854, 1855,
 1859, 1863, 1866.
 Tillinghast, Caleb B., 1895, 1896.
 Tobey, *Hon.* Edward S., 1862.
 Todd, William C., 1894.
 Twombly, *Rev.* A. S., 1883, 1884.
 Upham, J. B., *M.D.*, 1865.
 Vibbert, *Rev.* Geo. H., 1873.
 Wales, George W., 1875.
 Walley, *Hon.* Samuel H., 1862.
 Ward, *Rev.* Julius H., 1882.
 Ware, Charles E., *M.D.*, 1875.
 Ware, Darwin E., 1881.
 Warner, Hermann J., 1867.
 Warren, *Hon.* Charles H., 1859.
 Warren, J. Collins, *M.D.*, 1878.
 Waterston, *Rev.* Robert C., 1867.
 Weissbein, Louis, 1893.
 Wells, *Mrs.* Kate G., 1877.
 Wendell, *Prof.* Barrett, 1895, 1896.
 Wharton, William F., 1886.
 Whipple, Edwin P., 1869.
 Whitmore, William H., 1887.
 Whitney, Daniel H., 1862.
 Whitney, Henry A., 1873.
 Wightman, *Hon.* Joseph M., 1859.
 Williams, Harold, *M.D.*, 1888, 1889,
 1890.
 Williamson, William C., 1881.
 Wilson, *Elisha T., M.D.*, 1861.
 Winsor, *Justin*, 1867.
 Winthrop, *Hon.* Robert C., 1854.
 Winthrop, Robert C., Jr., 1887.
 Woodbury, Charles Levi, 1871.
 Woolson, *Mrs.* Abba Goold, 1888,
 1889.
 Wright, *Hon.* Carroll D., 1884.

APPENDIX X.

SCHEDULE OF LIBRARY SERVICE.

Note.—This has been brought down to April 1, 1897. The order followed is (1) b rank in grades, and (2) alphabetically within each grade.

SUMMARY.

Central Library	150	Males	81	Females	69
Branches and Reading-Rooms	59	"	14	"	45
	209		95		114
Evening and Sunday Service.	*51		51		

Extra assistance is employed at the branches.

EXECUTIVE DEPARTMENT.

Name.	Entered.	Grade.
Putnam, Herbert	1895	Librarian.
Savage, Philip H. . . .	1896	Libr'n's Sec'y.
†Mooney, George V. . . .	1889	B. Special.
**Bicknell Margaret M. . . .	1896	C. "
Deery, D. Jean	1891	C. "
Learned, Lucie A. . . .	1891	C. "
Cellarius, Theodore W. . . .	1892	D.
Nichols, Adelaide A. . . .	1868	Auditor.
McFarland, Peter V. . . .	1896	D. Runner.

UNASSIGNED.

Name.	Entered.	Grade.
Carret, José F. . . .	1875	
Tenney, Mary A. . . .	1897	B. Special.

CATALOGUE DEPARTMENT.

Whitney, James L. . . .	1869	Chief.
†Swift, Lindsay	1878	A. Special.
Hunt, Edward B. . . .	1883	A. "
Burnell, Carrie. . . .	1881	A.
Butler, Edward K., Jr. . . .	1896	A.
Chevalier, Samuel A. . . .	1894	A.
Rollins, Mary H. . . .	1886	A.
Seaver, Mrs. Lillian F. . . .	1888	A.
Rice, Edwin F. . . .	1885	B. Special.

*Serving from three to seven evenings a week each. The total number of positions is 33 evenings; 36 Sundays.

** Auditor's Assistant,

† Custodian of Stock Room.

‡ Editor Library

Publications.

	Entered.	Grade.
Cutler, Dora L.	1887	B.
Gould, Ida W.	1884	B.
Leavitt, Luella K.	1895	B.
Brennan, T. Frank	1890	D. Special.
Dolan, Charles T.	1894	D.
*Murdoch, John	1896	A. Special.

ORDERING DEPARTMENT.

Macurdy, Theodosia E.	1889	Chief.
Browne, Alice	1883	B. Special.
Coolidge, Marie	1893	B.
Frinsdorff, Emily O.	1894	B.
Goddard, Mrs. Frances H.	1892	B.
McGrath, Mary A.	1868	B.
Keleher, Alice A.	1891	D. Special.
McFarland, Thomas A.	1891	D. “
St. Louis, Robert E.	1897	E.

SHELF DEPARTMENT.

Roffe, William G. T.	1881	B. Special.
†Locke, John F.	1894	B.
Richmond, Bertha P.	1895	B.
Connor, George H.	1891	C. Special.
Reardon, John H.	1897	C. “
Eberhart, John	1894	D. “
Lucid, John F.	1893	D. Runner.

BATES HALL.

Knapp, Arthur M.	1875	Custodian.
‡Blaisdell, Frank C.	1876	A. Special.
Doyle, Agnes C.	1885	B.
Buckley, Pierce E.	1891	C.
Plunkett, Albert J.	1895	D.
Hardy, Charles A.	1896	D. Runner.

SPECIAL LIBRARIES.

Fleischner, Otto	1891	Custodian.
Hall, Belle S.	1895	B.
Hitchcock, Grace A.	1895	B.
Lewis, Marian L.	1897	B.
Ward, Joseph W.	1891	D. Special.
Cassidy, Margaret L.	1895	D.
Kelly, Charlotte H.	1895	D.
Leonard, Michael F.	1895	D.
§Roett, Harry W.	1895	D.
Smith, Arthur E. T.	1897	E.

* Temporary assignment.

† Engaged for temporary service.

‡ Supervisor of Patent and Newspaper Departments. § Qualified for D. Special.

PERIODICAL ROOM.

	Entered.	Grade.
Peirce, Florence E. . . .	1896	B. Special.
Ford, Mary E. A. . . .	1895	D.
Maguinness, James . . .	1897	E.

NEWSPAPER ROOM.

Serex, Frederic	1895	B.
Keenan, Matthew T. . . .	1896	D. Special.

ISSUE DEPARTMENT.

McGuffey, Margaret D. . . .	1895	Chief.
*Sheffield, Mrs. Gertrude P. . . .	1896	B. Special.
Forrest, Gertrude E. . . .	1895	B. "
Barry, Edward F. . . .	1890	C. "
McCarthy, Michael, Jr. . . .	1892	C. "
Sheridan, Mary C. . . .	1881	C. "
Desmond, Louise L. . . .	1895	C.
Richards, Florence F. . . .	1875	C.
Shumway, Marion H. . . .	1895	C.
Wendté, Frederika	1895	C.
Cufflin, M. Florence	1892	D. Special.
Cunniff, Nellie L. . . .	1895	D. "
Dowling, S. Jennie	1895	D. "
McCausland, Bradley A. . . .	1895	D. "
Murphy, Annie G. . . .	1888	D. "
Reynolds, Mary A. . . .	1894	D. "
Roett, Louis W. . . .	1895	D. "
Shipman, Paul C. . . .	1895	D. "
Bertram, Lucy I. . . .	1895	D.
Daly, Margaret C. . . .	1895	D.
Fillebrown, Emily F. . . .	1895	D.
Glover, John H. . . .	1895	D.
Gorman, John E. . . .	1895	D.
McCarthy, Marion A. . . .	1895	D.
Wiechmann, Catherine A. . . .	1895	D.
Alley, Gertrude E. . . .	1895	D. Runner.
Caiger, Eliza F. A. . . .	1895	D. "
Connolly, Nelly L. . . .	1895	D. "
Ethier, Lillian E. . . .	1895	D. "
Hutchins, Fernald	1896	D. "
Kiernan, Letitia M. . . .	1895	D. "
Lucid, Joseph A. . . .	1895	D. "
Olson, Alphild	1895	D. "
Olson, Bertha A. . . .	1895	D. "
Williams, Grace	1895	D. "
Zaugg, Joanna	1895	D. "
Zaugg, Otto E. . . .	1895	D. "

	Entered.	Grade.
McKiernan, John L. . . .	1896	E.
Shaughnessy, Mary A. . . .	1897	E.
Stetson, Nina M. . . .	1896	E.

ISSUE DEPARTMENT, BRANCH DIVISION.

Wellman, Hiller C. . . .	1896	Supervisor of Branches and Delivery Stations.
Hobart, Martha N. . . .	1896	B.
Heimann, Otto A. . . .	1890	C. Special.
Morse, Maud M. . . .	1877	C. “
Maier, Joseph A. . . .	1892	D.
Conroy, Michael J. . . .	1897	E.

REGISTRATION DEPARTMENT.

Keenan, John J. . . .	1885	B. Special.
Murray, Ella K. . . .	1886	C.
Shelton, Richard B. . . .	1895	D. Special.
Horrigan, M. Ellen . . .	1895	D.

PRINTING DEPARTMENT.

	Entered.	Position.
Lee, Francis W. . . .	1894	Chief.
Geyer, Willfried H. . . .	1896	Pressman.
Greeley, Carrie P. . . .	1896	Compositor.
Land, Annie F. . . .	1896	“
Ives, Birdsey F. . . .	1896	Feeder.

BINDERY.

Ryder, Frank	1883	Foreman.
Collins, Dennis J. . . .	1887	Finisher.
Fuerst, Alexander	1896	Forwarder.
Heyer, William H. . . .	1891	“
Hoeffner, George. . . .	1891	“
Ivory, John W. . . .	1893	“
Löfström, Konrad A. . . .	1892	“
Murphy, John F. . . .	1883	“
Hemstedt, William P. . . .	1883	Pressman.
Bowen, Mrs. Sarah E. . . .	1876	Sewer.
Doiron, Joanna	1896	“
Kiley, Margaret J. . . .	1889	“
Moriarty, Mary G. . . .	1875	“
Nolen, Sarah	1891	“
Potts, Ellen F. . . .	1892	“
Soule, Ellen E. . . .	1891	“

ENGINEER AND JANITOR DEPARTMENT.

Niederauer, Henry	1894	Chief Engineer.
McCready, Alexander	1895	Engineer.

	Entered.	Position.
Malone, John P. . . .	1895	Engineer.
O'Neill, Harry	1896	"
Zittel, George, Jr. . . .	1891	"
Herland, Nils J. . . .	1895	Fireman.
Moran, John A. . . .	1894	"
Karlson, Charles W. . . .	1896	Book Motors.
* Williams, John L. . . .	1886	Janitor.
Kilmurry, William	1894	Assistant Janitor.
McCarty, Dennis	1888	Watchman.
McGee, Alexander D. . . .	1896	Painter.
Wall, Frank A. . . .	1897	Carpenter.
Hanna, William T. . . .	1895	Marble polisher.
Goode, Robert	1895	Elevator. }
Whisnant, William B. . . .	1895	Coat room. }

EAST BOSTON BRANCH.

	Entered.	Grade.
Flanders, Emma W. . . .	1888	C.
Wing, Alice M. . . .	1873	C.
Bickford, Lillian A. . . .	1891	D.
Hosea, George H. . . .	1873	Janitor.

SOUTH BOSTON BRANCH.

Bullard, N. Josephine	1883	C. Special.
Eaton, Ellen A. . . .	1873	C.
Sampson, Idalene L. . . .	1878	C.
McQuarrie, Annie C. . . .	1894	D.
Orcutt, Alice B. . . .	1887	D.
Parker, Helena L. . . .	1889	D.
Baker, Joseph	1872	Janitor.

ROXBURY BRANCH.

Bell, Helen M. . . .	1878	C. Special.
Berry, Elizabeth C. . . .	1883	C.
Puffer, Dorothy	1878	C.
Griggs, Sarah W. . . .	1886	D.
Lynch, Gertrude A. . . .	1894	D.
Monahan, William	1883	Janitor.

CHARLESTOWN BRANCH.

Cartee, Elizabeth F. . . .	1886	C. Special.
Livermore, Mrs. Susan E. . . .	1885	C.
Reagen, Elizabeth R. . . .	1895	C.
O'Neill, Margaret M. . . .	1892	D.
Rogan, Katharine S. . . .	1896	D.
Smith, Thomas E. . . .	1874	Janitor.

* Charge of book motors, evenings.

BRIGHTON BRANCH.

	Entered.	Grade.
Rice, Harriet	1896	C. Special.
Conley, Ellen F. . . .	1891	C.
England, George A. . . .	1896	C.
Dale, M. Florence	1895	D.
Brock, James M. . . .	1878	Janitor.

* DORCHESTER BRANCH.

Reed, Mrs. Elizabeth T. . . .	1873	C. Special.
Griffith, Mary E. . . .	1886	C.
Donovan, Mary G. . . .	1891	D.
Huften, Nellie E. . . .	1896	D.
Meffen, Margaret	1892	D.
Davenport, Edward	1875	Janitor.

SOUTH END BRANCH.

Sheridan, Margaret A. . . .	1875	C. Special.
McGrath, Amelia F. . . .	1888	C.
Lynch, Emma F. . . .	1885	D.
Meehan, Margaret F. . . .	1893	D.
Mulloney, William J. . . .	1892	D.

JAMAICA PLAIN BRANCH.

Swain, Mary P. . . .	1877	C. Special.
Riley, Nellie F. . . .	1878	C.
Albert, Katie F. . . .	1892	D.
Johnson, Timothy	1876	Janitor.

WEST END BRANCH.

Davis, Mrs. Eliza R. . . .	1877	C. Special.
Barton, Margaret S. . . .	1885	C.
Forbes, George W. . . .	1896	C. *
McKirdy, Alice E. . . .	1896	C.
Mooney, Katharine G. . . .	1885	C.
Riley, Mary E. . . .	1891	D.
Kiley, Mary E. . . .	1896	D.
Porter, Frank C. . . .	1896	D. Runner.
Rossiter, John	1896	Janitor.

WEST ROXBURY BRANCH.

Morse, Carrie L. . . .	1890	D. Special.
Carroll, Joseph	1894	Janitor.

DELIVERY STATIONS.

Station.	Custodian.	Grade.
A. Lower Mills Reading Room.....	Hill, M. Addie.....	D. Special.
B. Roslindale Delivery Station.....	Davis, William W.	
C. West Roxbury Branch.....	See above.....	
D. Mattapan Reading Room.....	Capewell, Mrs. Emma G.	D. Special.

Station.	Custodian.	Grade.
E. Neponset Delivery Station.....	Savil, Susan.	
F. Mt. Bowdoin Reading Room.....	Fairbrother, Mrs. Eliz. G.,	D. Special.
G. Allston Delivery Station.....	Sampson & Padelford.	
H. Ashmont Delivery Station.....	Weymouth, Clara E.	
J. Dorchester Sta. Delivery Station..	Sexton, Mrs. Annie M.	
K. Bird-st. Delivery Station.....	Hoare, Mrs. Esther G.	
L. No. Brighton Reading Room.....	Muldoon, Katherine F.,	D. Special.
M. Crescent ave. Delivery Station....	Johnson, Charles E., & Co.	
N. Blue Hill ave. Delivery Station....	Riker, Mrs. S. A.	
P. B'way Extension Delivery Station..	Ward, Langdon L.	
Q. Upham's Corner Delivery Station..	Bird, Mrs. Thomas H.	
R. Warren-st. Delivery Station.....	Mowry, Albert D., & Co.	
S. Roxbury Crossing Delivery Station.	In Charge Boys' Institute.	

EVENING AND SUNDAY SERVICE.

6 P.M. TO 10 P.M. WINTER SCHEDULE.

SUNDAYS, 2 TO 10 P.M.

BATES HALL.

Officer in Charge.	Hours.
Chevalier, Samuel A. See Issue Department	8
Fleischner, Otto. See Special Libraries	8
Hunt, Edward B.	8
Swift, Lindsay	8

Assistant.

Roffe, William G. T.	14½
Walsh, William A. See Fine Arts	10½

Central Desk.

Buckley, Pierce E.	12
Williams, David L.	20

Care of Reference Books.

Heimann, Albert E.	32
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Care of Lower Tube.

Pitts, James A.	16
Lucid, John F.	9

Runner.

Beckford, Fred A.	25
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ISSUE DEPARTMENT.

Officer in Charge.

Blaisdell, Frank C.	20
Chevalier, Samuel A. See Bates Hall	12

Receiver of Books.

Blaisdell, Fred W.	25
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Deliverer of Books.

Reardon, John H.	16
Clarke, William S. See Indicator. Runner	9

Care of Indicator.

Clarke, William S. See Deliverer of Books. Runner,	16
Hannigan, Walter T. See Care of Tubes	9

Care of Slips.

Heimann, Otto A.	7
Hughes, John A.	18

Care of Tubes.

Hannigan, Walter T. See Indicator	16
Plunkett, Albert J. See Runner	9

Care of Carriers.	Hours.
Hannigan, Frank J.	25
Runners.	
Campbell, Charles D.	25
Clarke, William S. See Indicator. Deliverer of Books.	7
Connors, Timothy J.	25
Currier, Ulysses S. G.	7
Doyle, Charles A.	25
Ford, Daniel J.	32
Glover, John H.	16
Gorman, John E.	16
Hardy, Charles A.	16
Hughes, Thomas F.	9
McFarland, Peter V.	9
Martin, D. Clifford	25
Plunkett, Albert J. See Care of Tubes	7
Tenny, Robert M.	25
Weller, Waldo W.	25

SPECIAL LIBRARIES FLOOR.

In Charge.

Fleischner, Otto. See Bates Hall	5
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BARTON LIBRARY.

In Charge.

Lee, Francis W.	20
Tiffany, Edward	12

Assistant.

Leonard, Michael F.	12½
Ward, John A.	12½

FINE ARTS DEPARTMENT.

In Charge.

Walsh, William A. See Bates Hall Assistant	17
Bourne, Frank A.	12

Assistant.

McFarland, Thomas A.	12½
Ward, Joseph W.	12½

PERIODICAL ROOM.

Connors, John F.	32
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REGISTRATION DESK.

Fallon, William E.	21½
Keenan, John J.	3½

PATENT ROOM AND JUVENILE LIBRARY.

Attendant.

Hemstedt, William P.	16
Mooney, George V.	16

LIBRARY DEPARTMENT.

113

Assistant.		Hours.
Trueman, Nelson G.		25
NEWSPAPER ROOM.		
Attendant.		
Brennan, T. Frank		16
Connor, George H.		16
REPLACEMENT OF BOOKS.		
Barry, Edward F.		$12\frac{1}{2}$
McCarthy, Michael, Jr.		$12\frac{1}{2}$

APPENDIX XI.

SYSTEM OF SERVICE

AS IN FORCE FEBRUARY 1, 1897.

The system of graded service with provision for examinations as set forth in Article VI. of the By-laws quoted below was adopted by the Trustees in April, 1895. Employees then in the service were graded thereunder. The application of the system to such employees was, however, made with this proviso, that it should not of itself entitle any employee to an increase of salary nor subject him to a decrease. In some cases, therefore, the salaries of present employees do not yet accord precisely with the salaries of the grades under which they are classed. But increases of salary that may be recommended on the ground that the service rendered is entitled to higher pay will be made only in accordance with the scheme. And all promotions, as well as new appointments, will be made in accordance with the scheme.

EXTRACTS FROM BY-LAWS.

ARTICLE V., SECTION 1. — *Examinations.* Semi-annually, or oftener if expedient, examinations shall be held under the direction of the Librarian, for admission, by promotion or otherwise, to all grades of employment in the Public Library, except the positions of Librarian, Assistant Librarian, Librarian's Secretary, Auditor, Chief Cataloguer, Chief of Shelf Department, Custodian of Bates Hall, Chief of Ordering Department, Chief of Issue Department, Supervisor of Branches and Stations, Chief Engineer, Chief of Printing Department, and Chief of Bindery.

From the list of those persons who have successfully passed the examinations of the grade in which they seek employment, appointments shall be made by the Trustees upon nomination by the Librarian in consultation with the head of the department in which the appointment is to be made.

ARTICLE V., SECTION 2. — *Vacations and Other Absences.* All persons regularly employed in the library, except persons employed in the Engineer's or Janitor's departments, or in the Bindery, shall be entitled to a vacation at the rate of twenty-four days for each year in the service, exclusive of legal holidays and of the weekly half-holiday allowed by the city ordinance, to be arranged by the Librarian. No allowance shall be made for absence from duty except as above provided.

SECTION 3. The President or Librarian shall have power to suspend, with loss of pay, any person in the library service until the first succeeding meeting of the Corporation.

The following notice and application blank are furnished to applicants for employment in the library service.

NOTICE TO APPLICANTS FOR EMPLOYMENT.

Applications must be made upon the printed blanks furnished by the library. Examinations for applicants will be held from time to time as the needs of the service may require. Each applicant will be notified of the examination to be held next after the filing of his application.

The examinations are not strictly competitive. Other capacities being equal, preference will be given to persons attaining the highest mark; but in making selections from among those who have taken the examination, other elements of fitness for the particular positions to be filled will be taken into account.

The purpose of the examination being not to test the intelligence of the applicants by an absolute standard, but rather to range the applicants according to the relative intelligence displayed by them, no absolute pass-mark is fixed; nor is any certificate or diploma given, but candidates will, if they desire, be informed of their relative rank among those who have taken examinations for the same grade.

The examination, moreover, is regarded as a preliminary test merely. It must be followed by a test of capacity in actual service during a probationary period. And all appointments to the service, even where carrying pay, are provisional and conditioned upon proof of capacity for the particular positions to be filled as shown in actual service.

The entire library service (excepting the Engineer, Janitor, and Printing Departments and the Bindery; and the Sunday and Evening service which is paid by the hour) is divided into grades. Each grade begins with a minimum salary and progresses to a maximum. The maximum reached, no further increase is possible, except by promotion to a higher grade. Such promotion also is based upon an examination, combined, however, with certificate of capacity from the head of department in which the employee has served.

The ordinary grades are supposed to provide for positions where academic knowledge is necessary; the special grades for those positions where special capacities (as knowledge of type-writing, executive ability, etc.) are more particularly required.

The grades are as follows:

	1st year, per week.	2d year, per week.	3d year, per week.	4th year, per week.
Grade E . . .	\$3 50	\$4 00	\$4 50	
" D . . .	5 00	6 00	7 00	
" D (for runners)	5 00	5 50		

		1st year, per week.	2d year, per week.	3d year, per week.	4th year, per week.
Grade C	.	\$7 50	\$8 50	\$9 50	\$10 50
" B	.	11 00	12 00	13 00	14 00
" A	.	16 50	17 50	18 50	19 50
" D Special	.	7 00	8 00	9 00	10 00
" C	"	12 00	13 00	13 50	
" B	"	14 00	15 50	17 50	
" A	"	23 50	25 50	27 50	

It is expected that vacancies in Grade A will be filled by promotion from Grade B after examination.

Persons who have entered the library service as runners in Grade E and are certified by the head of the department to have performed satisfactorily the duties of Grade E and to have acquired a knowledge of location requisite for Grade D, may, upon recommendation of the Librarian, at the end of six months from the date when they entered the service, be promoted to Grade D.

The qualifications for the various general grades so far as the requirements of the general examination are concerned are as follows:

Grade A.

Knowledge of Foreign Languages.
General History and Literature.
Library Science.
Experience in this library.

Grade B.

Knowledge of at least two Foreign Languages.
General History and Literature.
Library Science.

Grade C.

Equivalent of High School Education.
Knowledge of one Foreign Language.

Grade D.

Equivalent of Grammar School Education.
Knowledge of location and system in this Library.

Grade E.

Equivalent of Grammar School Education.

Applicants for positions in the higher grades must satisfy the examiners of their ability to pass the examinations for all the grades below that for which they make application.

To the above general qualifications must be added in each case such special qualifications as may be requisite for the particular positions to be filled.

HERBERT PUTNAM,
Librarian.

APPLICATION BLANK.

I hereby make application to be examined for a position in Grade _____ of the Public Library service of the City of Boston.

As part of my application I declare the answers to the following questions to be true and in my own handwriting.

Each question must be answered or the blank will be returned.

1. Are you married or single?
2. Where do you reside and what is your post-office address?
(Give town or city, including street and number.)
3. How long have you been a resident of said city or town?
4. What is the date and place of your birth?
5. What is your father's and mother's full name? Give name, whether living or dead.
6. Have you ever been examined for the public service in any State or city? If so, when, where, for what branch and grade of the service, and with what result?
7. Are you in good health? Have you any mental or physical incapacity of which you are aware?
8. What is your present occupation and what has been your past occupation? Give places and dates of employment as near as you can.
9. In what schools, academy, or college were you educated? Give the name and length of course in each.
10. Have you any experience, or do you possess any special qualifications, such as a knowledge of book-keeping, stenography, typewriting, foreign languages, or a familiarity with other branches of knowledge, which, in your opinion, would be useful in the service of the Public Library, and not included among the requirements for the grade in which you are an applicant?

[Signature].....

Boston, _____, 189

When filled out, fold THICE and return to the Librarian of Public Library. Enclose any recommendations you desire to submit.

APPENDIX XII.

CORRESPONDENCE.

25 BUCKINGHAM STREET, CAMBRIDGE, February 11, 1896.

HERBERT PUTNAM, ESQ.

DEAR SIR: I desire to give to the Boston Public Library a special collection of books, now amounting to nearly one thousand, and bearing on the general subject of the History of Woman. I would make only the condition that these should be placed, at least for the present, in an alcove or alcoves by themselves, in the hope that they may be used freely by students, and that other donors may gradually coöperate in building up a department of some permanent value.

It is needless to say that I should not desire to see any general separation in any library between works relating to men, and works relating to women, as this would be a thing absurd and impracticable. But the great changes that have gone on within recorded history in the social, industrial and educational position of woman, render all this an important theme for special study, and a proper basis for a separate department in every large library. It is such a department that I desire, with the aid of others, to establish; and I am very confident that it will find special students to whom it will be of value. Indeed, this has proved to be the case more than once while these books have been under my own roof.

I am not aware that such a department has before been created in any public library, though one or two college libraries in our Western States have been mentioned as beginning on similar collections. Several large collections of books written by women have been made in Europe; and among my books there are printed catalogues of two of these, both now scattered, the Ferri and the Stainforth Libraries. But both these contained the works of women only — not works *about* women; and the same was the case with the remarkable library of women's writings which I visited in the Women's Building at Chicago, and most of whose contents are still kept together, I believe, in that city. None of these, therefore, were general collections like that at which I aim.

The collection has hitherto borne the name of "The Galatea Collection of Books relating to the History of Woman," and is roughly catalogued under that appellation; but I do not in the least require that this name should be made permanent, nor do

I make any other condition whatever. I am satisfied that the authorities of the Boston Public Library will fully consider the suggestions already made, and will, if they accept the gift, carry out these suggestions wisely. The books have been in process of collection for nearly fifty years, and include a good many that are rare and curious. They are in a variety of languages, and many of them would now be duplicated with difficulty. The question how far they should be used inside the building and how far outside must be left wholly to your judgment.

The bulk of these books can be delivered ere long if they are accepted; but I may wish that some of them may be temporarily retained for my own use or that of my family. I desire to add that I am influenced in making this gift, such as it is, not only by the conviction that it is the best use to be made of the collection, but by a warm regard for the Boston Public Library itself; having received from it many favors in years past and having as a member of the Legislature taken an active part in securing for it the piece of land on which its present building stands.

I am yours very respectfully,

(Signed) THOMAS WENTWORTH HIGGINSON.

MT. BOWDOIN LIBRARY ASSOCIATION,
BOSTON, MASS., February 27, 1896.

To the Trustees of the Boston Public Library:

GENTLEMEN: At a meeting of the Mt. Bowdoin Library Association held on the 26th day of February, 1896, it was unanimously

“*Resolved*, That the books, book-cases and furniture belonging to this association be presented to the Boston Public Library, and that the president and secretary be authorized and requested to execute the necessary conveyance in the name of the association.”

In compliance with this resolution, the Mt. Bowdoin Library Association hereby gives and transfers to the Trustees of the Boston Public Library its books, comprising upwards of 800 volumes, its book-cases, desks, tables, chairs, curtains, furniture and fixtures, all being in the Mt. Bowdoin reading-room.

THE MT. BOWDOIN LIBRARY ASSOCIATION.

By (Signed) WILLIAM BELLAMY, *President*.
 (Signed) J. L. HARBOUR, *Secretary*.

41 MARLBOROUGH STREET, May 6, 1896.

To the Trustees of the Boston Public Library:

GENTLEMEN: I wish to offer to the Boston Public Library a portrait of my father, to be placed in the room where the Tick-

nor Library is kept. It is an excellent copy of a painting, by Thomas Sully of Philadelphia, executed in 1831; and represents Mr. Ticknor at the age of forty, in the prime of life; differing, therefore, from the portraits at present, more familiar to the public, which represent him as an old man of seventy-six. Sully's painting shows him as he was during the period when he collected the books which form the Ticknor Library of Spanish and Portuguese works.

I will send the painting, which I desire to present to the library for your inspection. It is by Mr. George Sloane, of this city, and I consider it an admirable copy.

It will need a tablet to be affixed to it, giving name and age of the subject, which I will provide later.

Truly yours,

ANNA ELIOT TICKNOR.

September, 22, 1896.

Hon. Josiah Quincy, Mayor :

DEAR MR. QUINCY: I have been appointed executor of the will of Bessie S. Lockwood, of Cambridge, whose husband, Hiland Lockwood (who died in September, 1874), was for many years a resident of Boston. By her will, she bequeaths to the city of Boston her husband's large and valuable library, the same to be added to the Boston Public Library.

At some time, which may be mutually convenient, I shall be ready to transfer this library to the proper city official.

Very truly yours,

(Signed)

FRANK O. SQUIRE.

TERMS OF BEQUEST.

"Fourth. To the city of Boston I bequeath my library, to be added to the Public Library."

CHICAGO, November 7, 1896.

MR. HERBERT PUTNAM :

I do not wish to abandon my project of a memorial donation to the Boston Public Library, and I submit the following proposition :

I will donate the sum of ten thousand dollars (\$10,000) to the Boston Public Library, the *income* of this sum to be employed in the purchase of *valuable rare editions* of the writings — either in verse or prose — of American and of foreign authors. Original manuscripts may be included in the collection.

I will not make it a condition that these books and manuscripts shall be cared for as a separate collection, nor will I restrict them absolutely from circulation.

I desire each of the books to have a distinctive book-plate, that shall declare them to be a part of the Longfellow Memorial Collection.

Very truly,

(Signed)

VICTORINE THOMAS ARTZ.

THE METROPOLE.

CITY OF BOSTON,

IN COMMON COUNCIL, November 19, 1896.

Ordered, That the City Treasurer be, and he hereby is, authorized, in behalf of the city, to accept the legacy of twenty-five hundred (2,500) dollars from the estate of the late Charles Mead of this city, the same to constitute a trust fund to be designated "The Charles Mead Trust Fund," for the promotion of the objects of the Public Library, in such manner as the government of said library shall deem best, and so far as said government shall deem it consistent with the objects of the library to be used for the benefit of the South Boston Branch Library; and it is further

Ordered, That the Treasurer invest and reinvest said sum, and pay the income thereof for the purpose of the Public Library, as designated by the Trustees of the Public Library of the city of Boston.

Passed. Sent up for concurrence.

IN BOARD OF ALDERMEN, November 23, 1896.

Concurred.

Approved by the Mayor, November 25, 1896.

A true copy.

Attest:

(Signed)

JOHN T. PRIEST,

Asst. City Clerk.

APPENDIX XIII.

GIFTS, JANUARY 31, 1896, TO JANUARY 31, 1897.

(BOOKS ONLY.)

See also the Reports of the Trustees and Librarian, pp. 5, 24.

Givers	1,545
Volumes	22,185
Numbers	9,159

	Vols.	Nos.
Abbott, Samuel A. B.	1	
Abbott, Dr. W. C., <i>Ravenswood, Chicago, Ill.</i>	1	
Academia Mexicana de Ciencias Exactas Físicas y Naturales, <i>Mexico</i>	1	
Academia Nacional de Medicina, <i>Lima, Peru</i>	2	15
Académie Impériale des Sciences, <i>St. Petersburg, Russia.</i>	9	
Academy of Natural Sciences, <i>Philadelphia, Pa.</i>	1	
Academy of Science of St. Louis, <i>St. Louis, Mo.</i>		6
Actors' Fund of the U. S. of America	1	
Adams, Prof. J. Q., <i>Philadelphia, Pa.</i>	1	
Adams Academy, <i>Quincy, Mass.</i>	1	
Aguilar Free Library, <i>New York City</i>	1	
Alabama Agricultural Experiment Station, <i>Auburn, Ala.</i>		12
Alabama Geological Survey, <i>University, Ala.</i>	1	1
Alden, James S., <i>Passaic, N.J.</i>	1	
Alfred University, <i>Alfred, N.Y.</i>	1	1
Allen, Charles E., <i>Cedar Grove, Maine</i>	1	
Allen, Edward G., <i>London, England</i>	10	
Allen, Rev. G. H., <i>D.D., Cambridge, Mass.</i>	1	
Allen, Henry F.	238	
Aluminum World, Publishers of, <i>New York City</i>	1	
American Academy of Arts and Sciences	2	2
American Academy of Political and Social Science, <i>Philadelphia, Pa.</i>	4	
American Antiquarian Society, <i>Worcester, Mass.</i>	4	2
American Anti-Vivisection Society, <i>Philadelphia, Pa.</i>	1	
American Association for the Advancement of Science, <i>Salem, Mass.</i>	1	
American Baptist Home Mission Society, <i>New York City.</i>	1	
American Bar Association, <i>Philadelphia, Pa.</i>	1	
American Bible Society, <i>New York City</i>	1	6
American Catholic News, <i>New York City</i>	1	
American Citizen Company	1	
American Climatological Association, <i>Philadelphia, Pa.</i>	2	
American Colonization Society, <i>Washington, D.C.</i>	1	
American Conference on International Arbitration, <i>New York City</i>	1	
American Congregational Association	1	
American Electric Meter Company, <i>Philadelphia, Pa.</i>	1	
American Forestry Association, <i>Washington, D.C.</i>		1
American Historical Association, <i>Washington, D.C.</i>	1	
American Homes Publishing Company, <i>Knoxville, Tenn.</i>	1	

	Vols.	Nos.
American Humane Association, <i>Chicago, Ill.</i>	8	
American Humane Association on Vivisection in America, Special Committee, <i>Providence, R.I.</i>	3	
American Institute of Architects, <i>Providence, R.I.</i>	2	
American Institute of Mining Engineers, <i>New York City.</i>	1	
American Iron and Steel Association, <i>Philadelphia, Pa.</i>	1	4
American Jewish Historical Society, <i>Washington, D.C.</i>	3	2
American Laryngological Association, <i>Washington, D.C.</i>	1	
American Millennial Association	1	
American Missionary Association, <i>New York City</i>	1	
American New Church Tract and Publication Society, <i>Philadelphia, Pa.</i>	1	
American Nonconformist, <i>Indianapolis, Ind.</i>	1	
American Otological Society, <i>New Bedford, Mass.</i>	1	
American Peace Society	1	2
American Philosophical Society, <i>Philadelphia, Pa.</i>	8	1
American Printing House for the Blind, <i>Louisville, Ky.</i>	33	
American Society of Civil Engineers, <i>New York City</i>	2	5
American Society of Irrigation Engineers, <i>Denver, Col.</i>	1	
American Society of Railroad Superintendents, <i>Asbury Park, N.Y.</i>	3	
American Surgical Association, <i>Philadelphia, Pa.</i>	1	
American Veterinary College, <i>New York City</i>	1	
Amerikanische Turnzeitung, <i>Milwaukee, Wis.</i>	1	
Ames, Mrs. Adelbert, <i>Lowell, Mass.</i>	2	
Ames, John N., <i>Chelsea, Mass.</i>	1	
Amherst College, <i>Amherst, Mass.</i>	6	
Ancient and Honorable Artillery Company of Mass.	1	
Andover Theological Seminary, <i>Andover, Mass.</i>	2	
Angell, George T.	12	
Anonymous	192	1
Apollo Club of Boston	1	
Appalachian Mountain Club	4	
Appleton, W. S. 3 portraits	3	
Apprentices' Library Company of Philadelphia, <i>Philadelphia, Pa.</i>	1	
Arbetaren Publishing Co., <i>Worcester, Mass.</i>	1	
Argentine Republic. Oficina Meteorológica Argentina, <i>Buenos Aires, S.A.</i>	1	
Argentine Republic, Consul in Boston	7	
Argus (Swedish)	1	
Arizona Agricultural Experiment Station, <i>Tucson, Arizona</i>	9	
Arms, Miss Jennie M.	2	
Arnold Arboretum	13	
Arnold, Howard P.	11	
Aron, Joseph, <i>Paris, France</i>	1	
Art Club of Philadelphia, <i>Philadelphia, Pa.</i>	2	
Arundel Society, <i>London, England</i>	1	
Ashley, Prof. W. J., <i>Cambridge, Mass.</i>	2	
Ashton, J. N.	8	
Association of American Physicians, <i>Philadelphia, Pa.</i>	1	
Association of Engineering Societies, <i>Philadelphia, Pa.</i>	2	
Associazione Tipografico-Libraria Italiana, <i>Milan, Italy</i>		2
Atkinson, C. F.	242	
Atwell, C. B., <i>Evanston, Ill.</i>	1	
Atwood, John, <i>Malden, Mass.</i>	24	
Aubrey, W. H. S., LL.D., <i>Croydon, England</i>	1	
Avery, Hon. Elroy M., <i>Cleveland, Ohio</i>	17	
Bailey, F. H., A.M.	2	
Baillie's Institution Free Library, <i>Glasgow, Scotland</i>	1	
Baker, Marcus	1	

	Vols.	Nos.
Baker, Thomas, <i>London, England</i>	1	
Balch, Thomas Willing, <i>Philadelphia, Pa.</i>	1	
Baldwin, Prof. J. M., <i>Princeton, N.J.</i>		2
Baldwin, William H. 281 pieces music	29	
Bancroft, R. H.	4	
Bangor Public Library, <i>Bangor, Me.</i>	1	
Bangs, Outram	11	
Bannon, J. W., Company, New York City	1	
Barker, Wharton, <i>Philadelphia, Pa.</i>		1
Barnard Memorial	1	
Barneaud, Charles, <i>Chelsea, Mass.</i>	1	
Barrow-in-Furness, Free Public Library, <i>Lancashire, England</i>	1	
Basel, <i>Switzerland</i> , Universitäts Bibliothek	1	
Batchellor, Albert S., <i>Littleton, N.H.</i>	1	
Bates College, <i>Lewiston, Me.</i>	1	
Battersea Public Library, <i>London, England</i>	1	
Beal, Hon. Flavivus O., <i>Bangor, Me.</i>	1	
Becker, Prof. George F., <i>Washington, D.C.</i>	2	
Belfast Library and Society for Promoting Knowledge, <i>Belfast, Ireland</i>	1	
Bell, Prof. Alexander G., <i>Beinn Breagh, Cape Breton, N.S.</i>	2	
Benevolent Fraternity of Churches	1	
Benson, Rev. R. M.	32	
Bent, Allen H.	2	
Benton, Josiah H., Jr.	7	
Berdwell, Arthur T., <i>Springfield, Mass.</i> 2 pictures		
Berea College, <i>Berea, Kentucky</i>	1	
Bétis, Prof. Victor	1	
Biblioteca Nacional, <i>Buenos Aires, S.A.</i>	4	
Biblioteca Nazionale Centrale di Firenze, <i>Florence, Italy</i> , ...	1	
Biblioteca Universitaria Napoli, <i>Naples, Italy</i>	1	
Bibliotheek der Rijks-Universiteit, <i>Leyden, Holland</i>	10	
Bibliothèque de l'Université d'Utrecht, <i>Utrecht, Holland</i>	38	
Bibliothèque de l'Université Impériale, <i>St. Petersburg, Russia</i>	2	
Bibliothèque de l'Université Royale de Norvège, <i>Christiania, Norway</i>		1
Bibliothèque Sainte Geneviève, <i>Paris, France</i>	1	1
Bigger, J. H., <i>Montville, Mass.</i>	1	
Billings, Dr. John S., <i>New York City</i>	1	
Bimetallic League, <i>London, England</i>	29	
Bingham Hon. Henry, <i>Littleton, N.H.</i>	1	
Biological Society of Washington, <i>Washington, D.C.</i>		1
Birmingham, <i>England</i> , Free Libraries Committee	12	
Bishop, Seth Scott, <i>B.S., M.D., LL.D., Chicago, Ill.</i>	4	
Blackburn Free Library, Museum and Art Gallery, <i>Blackburn, England</i>	1	
Blackwell, Samuel C., <i>New York City</i>	1	
Blaisdell, Frank C.	4	
Blaney, Henry R.	1	
Blank, S.	4	
Blatt, William M.	1	
Bley, Gustave, <i>Paris, France</i>	1	
Blinn, Henry C., <i>Canterbury, N.H.</i>	2	
Blodgett, Albert N., <i>M.D.</i>	1	
Blumer, G. Alder, <i>M.D., Utica, N.Y.</i>	1	
Boardman, Samuel Lane, <i>Portland, Me.</i>	1	
Bolton Public Free Library, <i>Bolton, England</i>	1	
Bolton, C. E., <i>Cleveland, Ohio</i>	1	
Bolton, Charles K., <i>Brookline, Mass.</i>	9	10

	Vols.	Nos.
Bolton, <i>Prof. Henry C., Washington, D.C.</i>	2	
Boston. Board of Election Commissioners	4	
—— Board of Health	1	
—— Board of Overseers of the Poor	1	
—— City Assessor	2	
—— City Auditor	40	
—— City Collector	51	
—— City Engineer	1	
—— City Hospital	3	
—— City Messenger	94	
—— City Registry Department	45	
—— City Treasurer	1	
—— School Committee	36	8
—— Street Laying Out Department	4	
Boston Art Club	3	
Boston Associated Charities	1	
Boston Budget	1	
Boston Chamber of Commerce	1	
Boston Children's Aid Society	1	
Boston College	3	5
Boston Commercial	1	
Boston Courier, Publishers of	1	
Boston Daily Advertiser	1	
Boston Daily Globe	2	
Boston Daily Herald	2	
Boston Daily Journal	2	
Boston Daily Post	2	
Boston Daily Traveler	2	
Boston East Baptist Association, <i>Reading, Mass.</i>	2	
Boston Ideas	1	
Boston Industrial Aid Society	1	
Boston Industrial Home	1	
Boston Merchants' Association	2	
Boston Museum of Fine Arts	4	
Boston Protective Department	1	
Boston Provident Association	1	
Boston Society of Medical Sciences		6
Boston Society of Natural History	2	10
Boston Telegraph	1	
Boston Times	1	
Boston Transcript Company	2	214
Boston Transit Commission	1	
Boston University	4	
Boston Young Mens' Christian Union	55	
Boston Young Women's Christian Association	7	
Bostonian Society	1	
Botanical Society of America, <i>St. Louis, Mo.</i>	1	
Botume, J. F.	2	
Bourinot, J. G., <i>C.M.G., LL.D., D.C.L., Lit. D., Ottawa, Canada</i>	1	
Boutwell, <i>Hon. George S.</i>	3	
Bowditch, <i>Prof. Henry P.</i>	3	2
Bowditch, Nathaniel I., heirs of	8	
Bowditch, Dr. Vincent Y.	1	
Bowdoin College Library, <i>Brunswick, Me.</i>	2	5
Bowen, Seranus, <i>M.D.</i>	1	
Bowles, J. M.	1	
Bradford, <i>England, Public Free Libraries and Art Museum</i>	1	
Bradlee, <i>Rev. C. D., Brookline, Mass.</i>	340	14
Braun, A. D. & Co., <i>New York City</i>	3	
Brecht, Gustave V., <i>St. Louis, Mo.</i>	1	

	Vols.	Nos.
Bridgeport, <i>Conn.</i> , Public Library	1	
Brigham, Charles H.	1	
Briggs, Dr. F. M.	1	
Brighton Public Library, <i>Brighton, England</i>	1	
Brinton, Daniel G., <i>A. M., M.D., LL.D., Media, Pa.</i>	2	
British and Foreign Bible Society, <i>London, England</i>	1	
British and Foreign Unitarian Association, <i>London, Eng-</i> <i>land</i>	2	
British Museum, <i>London, England</i>	2	
Brockton Public Library, <i>Brockton, Mass.</i>	1	
Bromley Public Library, <i>Bromley, England</i>	1	
Brookline Public Library, <i>Brookline, Mass.</i>	1	
Brooklyn, <i>N. Y.</i> Department of City Works	1	
Brooklyn, <i>N. Y.</i> Superintendent of Public Instruction	1	
Brooklyn Daily Eagle, <i>Brooklyn, N. Y.</i>	1	
Brooklyn Ethical Association, <i>New York City</i>	1	
Brooklyn Library, <i>Brooklyn, N. Y.</i>	1	
Brower, Hon. J. V., <i>St. Paul, Minn.</i>	1	
Brown, Allen A.	322	
Brown, Dr. Francis H.	2	119
Brown, John P., Estate of	2	
Browne, Miss Alice	5	
Bucke, Dr. R. M., <i>London, Ontario.</i> Manuscripts and photographs	15	
Buffalo, <i>N. Y.</i> Common Council	1	
Buffalo Historical Society, <i>Buffalo, N. Y.</i>	1	
Buffalo Library, <i>Buffalo, N. Y.</i>	1	
Buffalo Merchants' Exchange, <i>Buffalo, N. Y.</i>	3	
Buffalo Society of Natural Sciences, <i>Buffalo, N. Y.</i>	11	
Buford, Mrs. M. H.	1	
Bullard, Dr. W. N.	10	
Bulletin, Publishers of	1	
Bunker Hill Monument Association	1	
Burnell, Miss Carrie	1	
Burrage, Henry S., <i>D.D., Portland, Me.</i>	1	
Burton, C. M., <i>Detroit, Mich.</i>	1	
Busey, Samuel C., <i>M.D., Washington, D.C.</i>	1	
Bush, J. Foster, <i>M.D.</i>	1	
Butler Hospital for the Insane, <i>Providence, R.I.</i>	1	
Cable, George W., <i>Northampton, Mass.</i>	1	
Cabot, Richard C., <i>M.D.</i>	1	
Cadieux & Derome, <i>Montréal, Canada</i>	1	
California Academy of Sciences, <i>San Francisco, Cal.</i>	1	
California Agricultural Experiment Station, <i>Berkeley,</i> <i>Cal.</i>	1	10
California Institution for the Education of the Deaf and Dumb, <i>Sacramento, Cal.</i>	1	
California State Library, <i>Sacramento, Cal.</i>	1	
California State Mining Bureau, <i>Sacramento, Cal.</i>	2	3
California State Normal School, <i>Chico, Cal.</i>	1	
Callender, Miss C. S.	1	
Cambridge, <i>Mass.</i> , Board of Overseers of the Poor	1	
Cambridge, <i>Mass.</i> , City Clerk	3	
Cambridge, <i>Mass.</i> , Park Department	2	
Cambridge Co-operative Society, <i>Cambridge, Mass.</i>	1	
Cambridge Press, <i>Cambridge, Mass.</i>	1	
Cambridge Public Free Library, <i>Cambridge, England</i>	1	
Cambridge Public Library, <i>Cambridge, Mass.</i>	3	
Cambridge School for Young Ladies, <i>Cambridge, Mass.</i> . . .	1	4
Cambridge University, Museum of Archæology, <i>Cam-</i> <i>bridge, England</i>	10	
Cameron, Hon. J. D., <i>Washington, D.C.</i>	1	

	Vols.	Nos.
Campbell & Zell Company, <i>Baltimore, Md.</i>	1	
Canada. Department of Agriculture, Archives Branch, <i>Ottawa, Canada</i>	2	
— Statistics Division, <i>Ottawa, Canada</i>	1	
— Geological Survey, <i>Ottawa, Canada</i>	1	1
Canadian Society of Civil Engineers, <i>Montreal, Canada</i>	3	2
Canto, José do, <i>S. Miguel, Portugal</i>	1	
Canton, <i>Mass.</i> , Town Treasurer	1	
Cardella, <i>Prof. Domenico, Portoperrajo, Italy</i>	1	
Carey, Arthur Astor	1	
Carmarthen Joint Counties Lunatic Asylum, <i>Carmarthen, Wales</i>	1	
Carnegie Free Library, <i>Allegheny, Pa.</i>	1	
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Woolmer-Williams Mfg. Company, <i>London, England</i>	1 bronze medal	
Worcester, Rev. William L., <i>Philadelphia Pa.</i>	1	
Worcester, Mass. City of	1	
Worcester, Free Public Library, <i>Worcester, Mass.</i>	2	
Worcester Polytechnic Institute, <i>Worcester, Mass.</i>	1	
Wright, Prof. J. H., <i>Cambridge, Mass.</i>	3	
Wyoming Agricultural Experiment Station, <i>Laramie, Wyo.</i>	1	4

	Vols.	Nos.
Xavier, The, Students of St. Francis Xavier College, Publishers of, <i>New York City</i>		1
Yale University, <i>New Haven, Conn.</i>	3	1
——— Class of 1869	1	
——— Library	1	
——— Observatory	1	1
Yearly Meeting of Friends, <i>Philadelphia, Pa.</i>	1	
Young, Archibald, <i>Edinburgh, Scotland</i>	1	
Young, Rev. Edward J., D D., <i>Waltham, Mass.</i>	5	
Young Men's Christian Association, <i>New York City</i> . .	1	
Young Men's Christian Association of America, <i>Springfield, Mass.</i>	1	
Zenith Board, <i>Duluth, Minn.</i>	1	
Ziegler, Prof. Dr. E, <i>Freiburg im Breisgau, Germany</i> .	1	



ANNUAL REPORT
OF THE
MARKET DEPARTMENT
FOR THE YEAR 1896-97.

CITY OF BOSTON,
OFFICE OF SUPERINTENDENT OF MARKETS, May 24, 1897.

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

DEAR SIR: In conformity to chapter 3, section 22, of the Revised Ordinances, I herewith submit the annual report of the Department of Markets, ending Jan. 31, 1897.

The work of the department has been of the regular routine nature.

The rents have been paid promptly, the ordinances and regulations for the government of the markets have been cheerfully complied with, and they have maintained their reputation for good order and honorable dealing.

The matter of providing better drainage for the market buildings, which has been before the City Council for several years, has in part been completed. A new sewer has been constructed in North Market street, and temporary connections have been made therewith, but the full benefit to be derived from it cannot be realized until permanent connections have been completed. A new sewer is in course of construction on South Market street, to take the place of one formerly used only for surface drainage, and which was condemned several years ago. The completion of these

sewers, and suitable connections therewith, should give the market buildings proper drainage.

The portions of the buildings used for market purposes are now in good repair, and only ordinary repairs will be necessary during the coming year. New floors have been laid in the main and cross passageways of both buildings, and will not need to be renewed for at least ten years. Several of the steps leading into the markets have been covered with the Mason Safety Tread, and have given perfect satisfaction. There are still a few places where it could be used to advantage, for while the places referred to are not dangerous, it is a safeguard it would be well for the city to adopt, as it appears from the experience of the past year to have all the advantages claimed for it.

During the year I have condemned, and ordered to be destroyed, as unfit to be used for food, twenty-eight hundred and eighty (2,880) pounds poultry; one hundred and seventy-two (172) ducks; two (2) boxes game; three hundred and seventeen (317) pounds veal; two hundred and seventy-two (272) pounds lamb; one hundred and eighty-five (185) pounds tongue; besides large quantities of fruit and vegetables which have been sent to the dumping scow.

The police detailed for duty at the markets have made sixty-five (65) arrests for the following offences, viz.: Drunkenness, thirty-six; larceny, twenty-one; assault and battery, six; using profane language, two. Total, sixty-five.

The appropriation for the Department of Markets, for the year ending Jan. 31, 1897, seventy-seven hundred (7,700) dollars, has been expended as follows, viz.:

Salary of Superintendent of Markets	\$3,000 00
Salary of Deputy Superintendent and Weigher at City Scales	1,300 00
Salary of one night watchman	1,000 00
Salary of one messenger	900 00
Amount paid for extra police	173 31
Amount paid for gas and electric light	663 08
Amount paid for miscellaneous supplies	655 85
Balance of appropriation	7 76
Total appropriation	\$7,700 00

The income from the Department of Markets, for the year ending Jan. 31, 1897, has been eighty-five thousand six

hundred and sixty-one and fifty-two one hundredths (85,661.52) dollars, as follows, viz.:

From rents from stalls and cellars in Faneuil Hall Market	\$65,286 00
From rents from cellars in New Faneuil Hall Market	18,211 00
From rents from outside stands New Faneuil Hall Market	1,407 00
From weighing fees at city scales	757 52
	\$85,661 52

The property in the department belonging to the city is:

Electric light wirings and fittings in Faneuil Hall Markets, cost	\$1,672 00
One Morse safe	150 00
One Howard Watch clock	200 00
One Howard Watch clock	50 00
Two roll-top desks and one-roll case	125 00
Two clothes presses	30 00
Scales, weights, etc.	125 00
Bookcase, carpets, stoves, chairs and small supplies	100 00
Total	\$2,452 00

Respectfully submitted,

GEORGE E. MCKAY,
Superintendent.



ANNUAL REPORT
OF THE
MOUNT HOPE CEMETERY DEPARTMENT,
FOR THE YEAR 1896-7.

BOSTON, Feb. 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: The Board of Trustees of the Department of Mount Hope Cemetery submit the following report of the affairs of the Department for the fiscal year of 1896-7.

The financial year of this department covers the period from January 31, 1896, to February 1, 1897.

The present Board of Trustees, with one exception, were appointed May 1, 1896, at which time they assumed the management of the department.

INCOME OF THE DEPARTMENT.

Until the present fiscal year this department derived its income from three general sources: —

First. Money derived from the sale and care of lots, interments, payments from the Overseers of the Poor, preparing lots for interments, use of receiving tomb, and sale of plants and flowers.

Second. Interest derived from the Perpetual Care Fund invested by the City Treasurer.

Third. The annual appropriation.

This department has for several years been the only one which had the right to collect and spend its income.

For substantial reasons, the present Mayor decided that the department should be placed in the same position as other departments of the city, and receive an annual appropriation, sufficient to meet its necessary expenditures. Added to this appropriation, however, was the interest from the Perpetual Care Fund. For the past fiscal year, these two sources made the total income of this department.

So far as the department is concerned, this has been very satisfactory, affording a definite amount on which to base calculations for the year's expenditures. Prior to the past year, the income necessarily varied from month to month, and it was almost impossible to finance its affairs without assuming a risk and responsibility from which the Trustees have been relieved.

Although the work required of this department from its very nature cannot be the subject of an exact estimate, the portion of it which includes the care of the grounds, walks, avenues, lots, greenhouses and buildings can be estimated with sufficient accuracy. This is also true of certain of the expenditures such as salaries, stock for greenhouses, hay and grain for horses, fertilizers, shoeing, tools and general replenishments, but the portion of the work which includes interments, opening and making graves, the execution of lot owners' orders, in the way of removing bodies, sodding and ornamentation of lots, the building of brick graves and cement foundations for monuments, and the interment of paupers and city poor is so uncertain as to be impossible of an exact estimate.

Such work is ordered irregularly and in amounts of various value, and obliges the department to perform the same without delay. All of these extra requirements are the subject of a charge which, under the present system, is collected by the city, and pays it a fair profit on the work performed and materials furnished.

These amounts, wholly uncertain of calculation, form the chief part of the income of the department, and, although the city receives compensation for this class of work, in making up an estimate for an annual appropriation, the amount which may be required in this particular class can only be the subject of calculation, based upon past experi-

ence, with an allowance for the natural increase of the business of the department.

It is of common occurrence, especially on Sundays, that funerals are set for substantially the same hours by different lot-holders, which requires the employment of a large force of extra men. The Board has no power to regulate this, and although the city receives an amount from this source sufficient to reimburse it for the extra expenditure, this department is obliged to pay for it out of its annual appropriation.

The department feels that, inasmuch as it no longer has the control of earnings received from sources of this nature, and as it may be required by circumstances to expend sums for such extra work, impossible of calculation, it may be justified, under certain events, in asking, during the fiscal year, for a sum to make good such an inroad on its annual appropriation.

The department desires that it should be steadily borne in mind that such extra work adds to the income of the city of Boston, and in no event can be a loss.

The number of interments in the pauper and city lots during the past year amounts to 1,114.

Here, again, the city receives an amount which partially compensates it for the labor required of this department. Every order for a brick or cement grave embodies the employment of labor, and the purchase of bricks and cement, which, again, this department is obliged to meet out of its annual appropriation, and for which the city receives compensation.

In these respects, the department stands on an entirely different footing from other departments of the city. The expenditures beyond routine work depends entirely upon orders received from day to day. The execution of every order places an amount in the city treasury which, though lessening the appropriation, nevertheless inures to the benefit of the city.

For these reasons, the department asked for such an appropriation for 1897 as would cover exigencies of such a nature.

AMOUNT OF INCOME.

The annual appropriation for the fiscal year was \$28,000, and added to this was the income derived from the Perpetual Care Fund, amounting to \$2079.08, or a total amount of \$30,079.08.

When the present Board assumed the management, May 1, 1896, all bills contracted by the retiring Board of Trustees

had been paid, and the department was found in a most satisfactory condition, both as to its finance, progress and equipment.

EARNINGS.

Although the giving of an annual appropriation for the purposes of running the department did away with the necessity of keeping up the income for self-support, your Board nevertheless, early in its administration, decided to do everything in its power to make the department virtually self-supporting, and every effort has been made to this end.

In order to state the earnings of the department, it should be said in explanation that, in addition to the conduct of the cemetery as regards private lots, we are charged with providing a place, which is entirely distinct and away from the private lots, for the interment of the city poor.

There should be added to the earnings, an estimated charge for such burials. The cheapest grave procurable in any cemetery, near or within the city limits, is fifteen dollars (\$15.00), with an added charge of five dollars (\$5.00) for expense of interment. A conservative estimate for charging the city for each of such burials would be fifteen dollars (\$15.00).

In other words, if the city had not this department it would cost that sum, if not more, to procure suitable interments elsewhere.

It is fair for the department to make this estimate as a charge against the city, for we are obliged to pay other departments for such service and material as they render us, as each department stands upon its own basis, and is in no way bound or obliged to do anything for another department.

The earnings of this department can be stated, for the fiscal year, as follows :

Fees and sale of lots from Feb. 1, 1896, to	
Feb. 1, 1897	\$21,084 75
Burilas and interments in City lot, estimated	
at 1,114 at \$15.00 each	16,710 00
Interest on Perpetual Care Fund	2,079 08
Making a total of	
	\$39,873 83

This shows that the department has been more than self-supporting, and has earned for the city \$11,873.83 in excess of the regular appropriation of \$28,000.

LABOR.

The finances of the department are under the control of the Board of Trustees, who also supervise all work that is carried on in the cemetery.

The department is represented on the ground by its superintendent, who has control over the employees and labor and the department property, and also directs funerals, and keeps an accurate record of all interments, the location and transfer of bodies, and is in all he does under the direction of the Board of Trustees, and is responsible to them for his acts.

The superintendent receives an annual salary of \$2,000, and is provided with a house, which is situated in the grounds, in which he resides.

The present superintendent is Mr. James H. Morton, who, during the past year, has fulfilled the involved and difficult duties of his position in an entirely able manner, and in his conduct has had the approval of the Trustees.

The Board employs a secretary, with an office in the Old Court House, at an annual salary of \$500, whose duties are clerical, and require him to keep the records of the Trustees, prepare deeds, bonds and the record of transfers of lots. The present secretary is Mr. Franklin D. Rideout.

The cemetery comprises about 106 acres, and a large force of men is required to perform the various kinds of work which are necessary to maintain and keep up the work of the department.

The present Board have employed on an average forty-four (44) men, as large a force as was compatible with the finances, and even then, at certain seasons, the number was inadequate to accomplish all that was desired.

The work of this department covers a great many details. Undeveloped land has to be prepared for lots, the sale of which constitutes a large portion of the earnings of the department. In order to prepare land for this purpose, the ground and rocks must be excavated to a depth of several feet, which requires blasting, teaming and handling. After this has been excavated, soil is supplied and the land brought up to grade. The undeveloped sections of the cemetery are ledgy in character, and are worked over at great expense. Within the grounds are eight miles of avenues and walks which require constant attention and have to be repaired and thoroughly gone over every year, especially when the frost works out of the ground in the spring. The plan of ornamentation, adopted several years ago, requires shrubs and

plants throughout the cemetery, and this necessitates the maintaining of three large greenhouses, and a force of greenhouse men.

The department does its own teaming, and has at present nine horses, and the necessary drivers and stable men. The extensiveness of the grounds, the trees and shrubs, and the keeping of lawns in condition, watering the same in dry season, raking up the fallen leaves and the large amount of detail work, the extensiveness of which would require too much space in this report, demands a large force of men to perform the same in a proper manner.

The department, considering its area, location and work, employed last year a much smaller force than is employed in neighboring cemeteries, where the men for labor receive smaller pay and work more hours in the day.

If, by any chance, the expenditures of this department should be contrasted with the expenditures of other cemeteries, the last-mentioned fact should be remembered.

The department is obliged to adhere to the rules of the City Ordinances as to the pay of men, time of labor and half holidays, which, taken into consideration, means that the city, for the same number of men necessarily pays more and receives a less return than a private corporation of a similar nature.

The Board of Trustees have given each department of this work during the past year careful attention, and believe that the force used has been utilized to the best possible advantage.

SPECIAL APPROPRIATION.

Early in the year the department asked of the Mayor of Boston a special appropriation for the purposes of making permanent improvements in the cemetery, and for that purpose a special appropriation of \$10,000 was provided. The money derived from this source was used in the laying of water-pipes throughout the grounds, the need of which had been imperative for a great many years, and also for the working of unused land into lots.

Water-pipes, at an expenditure of \$3,137.97, were laid from the cemetery gates up through the principal avenues, with water-mains at convenient points, which will enable the department at a small expense to keep the grounds in a proper condition during the summer months.

Prior to this, all the water used in the cemetery had to be carted in watering carts from standpipes, near the greenhouse, and it was impossible to keep the lawns and shrub-

bery from drying up during the heated season, and lot-holders, wishing to care for plants and flowers on their lots were obliged to carry water a long distance. This water supply met one of the most serious wants of the department, and has been greatly appreciated by the lot-holders, who for several years have been petitioning the department for the same.

At an expenditure of \$2,993.76 from this special appropriation, forty-two (42) lots and one hundred and eighty (180) graves were prepared, the retail value of which is \$12,150, which, when sold — a portion has already been disposed of — will net the city \$9,156.24.

There still remains of the special appropriation fund unexpended the sum of \$2,990.62, which the department proposes to expend in the construction of a new greenhouse, a much needed addition.

The appropriation was made available so late in the season, it was not deemed best to commence the construction of the greenhouse the past fall, although plans have been drawn, the foundation put in, and work on the same will be pushed forward as early in the season as is practicable.

The late John H. Collamore was appointed one of the Trustees of this department, and assumed his duties as such May 1, 1896, and before that time had served in the same capacity for three terms. Mr. Collamore died Nov. 3, 1896, and in his death the city of Boston lost an honest and zealous official.

This Board, in taking action upon his decease, caused the following resolutions to be spread upon its records :

Whereas, It has pleased Almighty God to call to higher duties our beloved associate, John H. Collamore, one of the Trustees of Mount Hope Cemetery, and,

Whereas, Since his appointment he has been a devoted and faithful servant in the interests of this department of the city of Boston, giving to it his best efforts and attentions, and,

Whereas, This Board has lost the companionship of a man whose simplicity and loveliness of character endeared him to his associates, at a special meeting of this Board, called for the purpose, it is

Resolved, That this Board attend the funeral services over the remains of our late associate, John H. Collamore, in a body, and that we send a floral tribute in token of our respect and fondness for him; that these resolutions be spread upon the records and that a copy of the same be engrossed and sent to the bereaved family.

J. ALBERT BRACKETT, *Chairman*,

CHARLES M. BROMWICH,

FRANKLIN D. RIDEOUT, *Secretary*.

JACOB MORSE,

WILLIAM J. FALLON,

For many years Mr. Collamore had the best interests of the department at heart, and three beautiful monuments

erected at his expense, and presented to various Masonic bodies, stand as enduring reminders to his memory.

On Dec. 7, 1896, Mr. Willard C. Van Derlip was appointed to fill Mr. Collamore's place, and has since served as a member of this Board.

On the 9th of June, 1896, a monument, peculiarly suitable in design and inscription, was dedicated to the memory of the late Henry A. M'Glenen. The dedication services were held under the auspices of this department, at which the official head of the city was present. The services were impressive, and the monument is a fitting memorial of one well beloved by the people of Boston.

The inscription on the monument — "The best part of the record of every man's life is what he has done for others" — well describes the traits of this generous, unselfish man, who ever loved others better than himself.

RECOMMENDATIONS.

Some years ago, a certain portion of the cemetery, distinct from the main grounds, was set apart for the interment of the city paupers. At a later period additional land was purchased and added to the cemetery for the same purpose.

At present there are interred in these two areas 32,464 bodies, and the place is rapidly becoming overcrowded, and new land must shortly be acquired to meet this rapidly-growing need. As the city increases in population, there is a corresponding increase of interments.

Before many years it will be necessary to make some radical changes from the present methods of interment, and your Trustees believe that the city should early consider the advisability of erecting a crematory for the consuming of human remains, which can be used by those believing in such a method. From a sanitary point of view, this seems to be the most practical way, and although to many the idea is at first revolting, yet on examination it is found to be in many ways superior to a slow decay in the earth.

The department recognizes that it is expected, as an adjunct to its general business, to provide lots and single graves within the purchasing power of people of small means, and such provision is made at prices not obtainable in other cemeteries. This is done to carry out one of the intentions of the department.

It was stated in the last report of this department that it was unfortunate in the original planning of the cemetery that the barns and sheds were placed in the most conspic-

uous corner of the cemetery on the main street, which runs in front of the grounds.

These buildings are unattractive, have been built a long time, and are not worth the thorough overhauling and repairing which they really require. The barn is large, but entirely impracticable for the needs of the department. The sheds are open, and too small, and altogether the buildings are unfit for the purposes for which they are now used.

The department recommends the tearing down of these buildings, the bringing of the corner on which they are situated up to grade, and constructing new buildings in the back portion of the cemetery grounds, where they will be out of general view, and not interfere with the picturesqueness of the premises. By doing this an area of several acres can be utilized for lawns and lots.

Mount Hope Cemetery is naturally one of the most beautiful cemeteries within or near the city of Boston. It is in the midst of an attractive suburb and is in many ways an ideal spot for the interment of the dead. In other ways, however, it is far behind the ornateness of neighboring cemeteries, and necessarily suffers by contrast.

The fences enclosing the department are incongruous, and except a portion in the front, are much too commonplace, and no protection against trespassers.

It is a department which is visited by thousands of our citizens during the year, and contains the remains of 51,958 people. The city can well afford to make provision sufficient to bring this department to a nearer state of perfection.

The cost would be comparatively small, but cannot be brought about with the regular working appropriation, all of which is required to carry on the purely routine work.

TRANSPORTATION.

The cemetery has always suffered in patronage from the lack of facilities of transportation to the grounds.

The only way, except by private carriage, to get to the grounds is by a barge which connects with the electric cars at Franklin Park, fully a mile and a half away.

The first barge leaves Franklin Park at 11 A.M. The next at 1 P.M.; then hourly until 5 P.M.

There is no means of transportation open to the public from Forest Hills Station, which is distant about one mile.

The Trustees believe that on a recommendation by the City Government, the West End Street Railway Company could be induced to provide better facilities. By so doing

a large number of people interested in the cemetery would be accommodated.

If this recommendation can be carried into effect, we believe that the income of the department would be greatly increased, and enough passengers patronize the increased facilities of transportation to make a suitable return for any extra outlay on the part of the railway.

It is earnestly hoped that this important need may be met in the near future.

The department notes with gratification that the Mayor of the city of Boston is in favor of a proposition to recommend an appropriation for the building of a chapel, suitable for the needs of the cemetery. This is a matter which will gratify the great number of our citizens who are interested in this department.

The Trustees recommended that the plan of such a chapel give an opportunity for the various societies and individuals owning lots in the cemetery to present to the chapel memorial windows or other fitting memorials in memory of the dead.

On investigation, it has been ascertained that many of the lot-owners are in favor of such a plan, and if the same could be successfully carried out, it could not prove other than suitable and impressive.

The Trustees are deeply sensible of the earnest co-operation which they have received in the management of the affairs of the department from His Honor, the present Mayor, who has always evinced his interest in doing all within his power to bring the improvements desired in the department into effect.

It is always to be remembered that a large proportion of the citizens of Boston are bound to the cemetery by the tenderest of ties. It is the last resting-place of the beloved dead, and is constantly visited by those interested in the earthly remains of others who have gone to everlasting rest.

For these reasons it is peculiarly fitting that the city should do all in its power to beautify the place, if, in so doing, it gratifies and pleases the people who are interested in the cemetery.

In urging this, the present Board feels that it is asking no more than is due to our people, and asks the co-operation of the City Government in making the cemetery as nearly ideal as possible in its appointments.

The present Board have fully appreciated both its duty to the City Government and to those interested in the department with whom it comes in contact.

Fully appreciating the honor and sacredness of the trust imposed by their position, in submitting this, their annual report, they believe that the City Government and the citizens of Boston feel assured of their desire to execute faithfully and impartially the trust imposed.

A detailed account of the receipts and expenditures, both of the general and special appropriation, is submitted herewith.

SUPERINTENDENT'S REPORT.

FEBRUARY 3, 1897.

J. ALBERT BRACKETT, ESQ.,

Chairman Trustees Mount Hope Cemetery.

DEAR SIR: Following relates to work done in this department for year ending Jan. 31, 1897:

63,000 sq. ft. of land loamed and graded.

15,000 sq. ft. of sodding done.

3,362 lineal ft. of avenues repaired.

11,160 sq. ft. of land prepared for graves.

617 lineal ft. of new avenues made.

Ground for 61 new lots prepared.

30 lots sold during the year.

350 graves sold.

Whole number of lots sold, 2,039.

548 lots are in perpetual care.

292 are in annual care.

162 monuments and markers erected.

About 600 shrubs and evergreens planted.

Respectfully,

JAMES H. MORTON.

RECEIPTS FOR 1895 AND JANUARY, 1896.

Balance on hand, Feb. 1, 1895	.	.	.	\$950 02
Appropriation for General Fund	.	.	.	8,000 00
Extra appropriation for General Fund	.	.	.	5,000 00
Income of Perpetual Care Fund	.	.	.	1,855 42
For sale of lots	.	.	.	4,577 25
" digging graves	.	.	.	7,023 50

Amount carried forward,

\$27,406 19

<i>Amount brought forward,</i>	\$27,406 19
For care of lots	1,190 00
" foundations	1,276 75
" use of receiving tomb	552 00
" plants	366 50
" grassing and sodding lots	49 00
" graves sold	4,331 50
" sundries	779 97
Total	<u>\$35,951 91</u>

RECEIPTS FOR 1896 AND JANUARY, 1897.

Appropriation	\$28,000 00
Interest on Perpetual Care Fund	2,079 08
	<u>\$30,079 08</u>
Special appropriation	\$10,000 00

MONEY EARNED FOR THE CITY DURING 1896 AND JANUARY, 1897.

Foundations	\$1,284 91
Receiving tomb	660 00
Flowers	758 50
Sodding and grassing	23 00
Care of lots	1,073 50
Lots sold	4,510 00
Digging graves	6,956 50
Graves sold	5,155 00
Sundries	663 34
Total	<u>\$21,084 75</u>

Other earnings, as estimated on page 2 of this report	16,710 00
Interest Perpetual Care Fund	2,079 08
Total	<u>\$39,873 83</u>

PAY-ROLLS.

1896:

Pay-roll week ending Jan. 30	\$375 00
" " " Feb. 6	343 00
" " " " 13	341 00
" " " " 20	277 00
" " " " 27	286 00
	<u>\$1,625 00</u>
<i>Amount carried forward,</i>	\$1,625 00

MOUNT HOPE CEMETERY DEPARTMENT.

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<i>Amount brought forward,</i>						\$1,625 00
Pay-roll week ending March	5	.	.	.	\$277 00	
" " " "	12	.	.	.	276 00	
" " " "	19	.	.	.	298 00	
" " " "	26	.	.	.	329 00	
						1,180 00
" " " April	2	.	.	.	\$330 00	
" " " "	9	.	.	.	442 00	
" " " "	16	.	.	.	506 00	
" " " "	23	.	.	.	548 00	
						1,826 00
" " " April	30	.	.	.	\$587 50	
" " " May	7	.	.	.	599 00	
" " " "	14	.	.	.	687 50	
" " " "	21	.	.	.	700 00	
" " " "	28	.	.	.	792 08	
						3,366 08
" " " June	4	.	.	.	\$682 97	
" " " "	11	.	.	.	431 25	
" " " "	18	.	.	.	463 00	
" " " "	25	.	.	.	503 50	
						2,080 72
" " " July	2	.	.	.	\$617 00	
" " " "	9	.	.	.	663 50	
" " " "	16	.	.	.	653 50	
" " " "	23	.	.	.	707 50	
						2,641 50
" " " July	30	.	.	.	\$682 25	
" " " Aug.	6	.	.	.	519 25	
" " " "	13	.	.	.	480 00	
" " " "	20	.	.	.	484 00	
" " " "	27	.	.	.	499 00	
						2,664 50
" " " Sept.	3	.	.	.	\$499 00	
" " " "	10	.	.	.	479 75	
" " " "	17	.	.	.	541 25	
" " " "	24	.	.	.	525 75	
						2,045 75
" " " Oct.	1	.	.	.	\$520 75	
" " " "	8	.	.	.	530 25	
" " " "	15	.	.	.	561 25	
" " " "	22	.	.	.	721 50	
" " " "	29	.	.	.	357 25	
						2,691 00
" " " Nov.	5	.	.	.	\$300 50	
" " " "	12	.	.	.	301 50	
" " " "	19	.	.	.	301 50	
" " " "	26	.	.	.	331 00	
						1,234 50
" " " Dec.	3	.	.	.	\$250 00	
" " " "	10	.	.	.	179 50	
" " " "	17	.	.	.	269 75	
" " " "	24	.	.	.	384 88	
						1,084 13
" " " Dec.	31	.	.	.	\$383 75	
1897:						
" " " Jan.	7	.	.	.	\$424 63	
" " " "	14	.	.	.	461 50	
" " " "	21	.	.	.	430 00	
" " " "	28	.	.	.	443 00	
						2,142 88
Total	.	.	.	.	\$24,582 06	

BILLS.

JANUARY, 1896.

Prouty, C. A. (3 bills), horses . . .	\$815 00	
Morton, Jas. H., salary and sundries	175 01	
Snowflake Axle Grease Co., horse robes, blankets, etc.	58 45	
McBarron & Co., bolts, nails, etc., ...	56 40	
Leuthy, Antoine, flowers	51 30	
N. E. Tel. & Tel. Co., cemetery telephone	47 75	
Thos. Mayo (2 bills) hardware, ...	37 03	
Rideout, F. D., salary	33 33	
Dudley Feed Mills Co., oats, straw, etc.	28 58	
Jas. Forgie & Son, stable blankets, ...	16 50	
Sam'l Hobbs & Co., stationery	14 79	
A. H. Hews & Co., flower-pots	4 62	
Sartwell, Heinold & Humphrey, horse clothing	3 00	
Rockwell & Churchill, printing stock	1 75	
Printing Department, printing	18	
		\$1,343 69

FEBRUARY BILLS.

Dudley Feed Mills Co., oats, straw, etc.	267 35
Ferd. F. French & Co., carryall	250 00
John Riddles, tipcart	180 00
James H. Morton, salary and sundries	174 31
W. C. B. Taylor, horse	145 00
Hingham Dairy Ass'n, manure	135 00
Geo. M. Winslow, coal	45 80
N. E. Tel. & Tel. Co., office telephone	39 00
F. D. Rideout, salary	33 33
Sartwell, Heinold & Humphrey, horse collars, etc.	25 50
Printing Department, stamps, envelopes, etc.	16 90

Amounts carried forward,

\$1,312 19

\$1,343 69

<i>Amounts brought forward,</i>	\$1,312 19	\$1,343 69
Galvin's conservatories, lilies .	15 00	
Albert T. Orrall, wheelwright work	14 00	
Isabelle O'Brien, clerical work .	30 00	
Ame & Co., horses' food . . .	13 50	
Samuel Hobbs & Co., blankbooks; etc.	12 25	
Thomas Mayo, glass, brooms, etc.,	11 94	
W. L. Robinson, manure . . .	10 50	
R. & J. Farquhar & Co., flower seeds	5 35	
Schlegel & Fottler, seed . . .	4 38	
E. A. Brown & Co., powder and fuse	3 80	
Rockwell & Churchill, printing stock	3 30	
A. S. Parker Weeks, iron and shaft rubbers	2 50	
C. H. Horne, carpenter work .	1 70	
Boston Dist. Messenger Co., mes- senger boy	1 45	
Printing Department, envelopes .	1 18	
		1,443 04

MARCH BILLS.

J. H. Morton, salary and sun- dries	\$174 11	
Geo. M. Winslow & Co., coal .	93 00	
F. D. Rideout, salary	33 33	
Dudley Feed Mills Co., oats and straw	32 35	
A. H. Hews & Co., flower pots .	31 25	
A. T. Stearns Lumber Co., boxes,	31 00	
H. G. Jordan & Co., coal . . .	7 13	
Samuel Hobbs & Co., book and paper	7 00	
McBarron & Co., steel shoes and leather pads	5 21	
R. & J. Farquhar & Co., flower seeds	2 76	
N. E. Tel. & Tel. Co., toll . . .	25	
		417 39
<i>Amount carried forward,</i>		\$3,204 12

Amount brought forward,

\$3,204 12

APRIL BILLS.

Jas. H. Morton, salary and sundries	\$174 36
Bradley Fertilizer Co., fertilizer	76 00
George Dorr, manure	60 00
Rockwell & Churchill, printing stock	47 15
N. E. Tel. & Tel. Co., cemetery telephone	47 75
P. H. Henderson & Son, carriage repairs	41 45
N. E. Tel. & Tel. Co., office telephone	39 55
Thomas Mayo, hardware	36 18
A. H. Hews & Co., flower pots	36 00
F. D. Rideout, salary	33 33
Dudley Feed Mills Co., hay, straw, etc.	33 24
Printing Dept., reports	14 85
R. & J. Farquhar & Co., seeds	5 16
Thos. B. McDonald, veterinary	5 00

650 02

MAY BILLS.

Jas. H. Morton, salary and sundries	\$175 01
Boston Water Works, water rates, ...	71 50
Nathaniel T. Kidder	65 00
F. D. Rideout, salary	40 84
Thos. Mayo, hardware	35 46
R. & J. Farquhar & Co., fertilizer and seed	34 65
Anthony McLaren, plants	29 00
A. H. Hews & Co., flower pots	27 00
Waldo Bros., cement	14 40
R. & J. Farquhar & Co., fertilizer, ...	6 24
Printing Department, postal cards and stamps	5 00
Samuel Hobbs & Co., stationery	4 40

508 50

JUNE BILLS.

Jas. H. Morton, salary and sundries	\$178 26
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Amounts carried forward,

\$178 26

\$4,362 64

<i>Amounts brought forward,</i>	\$178 26	\$4,362 64
Dudley Feed Mills Co., oats, hay, etc.	117 88	
Thos. Mayo, hardware	52 26	
N. E. Tel. & Tel. Co., cemetery telephone	47 75	
F. D. Rideout, salary	41 66	
Chas. C. Bartlett, manure . . .	40 50	
Thos. E. Lyons, painting . . .	35 75	
Dudley Feed Mills Co., oats, straw, etc.	32 44	
P. H. Henderson & Son, carriage repairs	14 65	
McLaughlin Bros., upholstering .	14 00	
C. C. Moulton, fertilizer . . .	12 00	
Waldo Bros., cement	12 00	
Rockwell & Churchill, printing .	11 48	
Patrick Corliss, manure	8 00	
G. W. Fleming & Co., harness re- pairs	7 50	
Printing Department, printing stock	1 90	
A. Storrs & Bement Co., paper .	74	
		628 77

JULY BILLS.

Jas. H. Morton, salary and sun- dries	\$174 91	
Dudley Feed Mills Co., oats, hay, etc.	65 98	
F. D. Rideout, salary	41 67	
N. E. Tel. & Tel. Co., office tele- phone	39 00	
N. E. Decorating Co., erecting tent	35 00	
Pettingill & Pear, settees . . .	18 50	
Calder's Flower Store, plants . .	18 34	
Thos. Mayo, hardware	17 10	
Anthony McLaren, plants . . .	11 55	
Rockwell & Churchill, printing .	7 23	
H. G. Jordan & Co., coal	7 13	
Alan Burke, painting	5 87	
D. N. Kenney, carriage repairs .	3 25	
E. H. Fairbanks, repairing clock .	3 00	

<i>Amounts carried forward,</i>	\$448 53	\$4,991 41
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<i>Amounts brought forward,</i>	\$448 53	\$4,991 41
Samuel Hobbs & Co., stationery .	2 21	
Printing Department, printing .	2 13	
N. E. Tel. & Tel. Co., toll . . .	30	
P. Kelly, catering to police . . .	35 00	
		488 17

AUGUST BILLS.

R. D. Wood & Co., iron pipe .	\$858 97	
Jas. H. Morton, salary and sundries,	179 76	
F. D. Rideout, salary	41 67	
Dudley Feed Mills Co., oats and straw	37 92	
McBarron & Co., iron and steel .	32 57	
Rockwell & Churchill, printing stock	13 36	
Samuel Hobbs & Co., stationery .	13 10	
John W. Fleming, harness goods .	11 78	
Printing Department, printing .	7 84	
R. Farquhar & Co., flower seeds .	6 75	
A. M. Sheridan, typewriting . . .	5 00	
E. A. Brown & Co., powder and fuse	1 70	
		1,210 42

SEPTEMBER BILLS.

Jas. H. Morton, salary and sun- dries	\$175 61	
Hingham Dairy Association ma- nure	67 50	
F. D. Rideout, salary	41 67	
N. E. Tel. & Tel. Co., office tele- phone	39 00	
Dudley Feed Mills Co., oats, straw, etc.	31 15	
Thomas Mayo, hardware	8 65	
McBarron & Co., iron	1 10	
		364 68

OCTOBER BILLS.

Thomas & Pike, coal	\$205 50	
Jas. H. Morton, salary and sun- dries	174 71	
Thos. J. Carey, sods	68 52	
<i>Amounts carried forward,</i>	\$448 73	\$7,054 68

MOUNT HOPE CEMETERY DEPARTMENT. 19

<i>Amounts brought forward,</i>	\$448 73	\$7,054 68
N. E. Tel. & Tel. Co., cemetery telephone	48 55	
J. F. Frisbie, varnish, brushes, etc.	42 05	
F. D. Rideout, salary	41 67	
Jas. Travers, horse shoeing	16 00	
Waldo Bros., cement and brick	12 40	
Printing Department, printing	7 00	
Sampson, Murdock & Co., directory	5 00	
Sartwell, Heinold & Humphrey, collar	4 00	
Samuel Hobbs & Co., book	1 87	
Samuel Ward & Co., twine, pins, etc.	1 85	
W. J. McGraw & Co., stamp and pad	1 75	
		\$630 87

NOVEMBER BILLS.

Jas. H. Morton, salary and sundries	\$175 51	
Dudley Feed Mills Co., oats, straw, etc.	88 42	
Thos. Mayo, hardware	47 87	
Sartwell, Heinold & Humphrey, harness, etc.	46 00	
F. D. Rideout, salary	41 67	
John A. Conway, carriages (funeral)	24 00	
A. H. Hews & Co., flower pots	22 50	
Waldo Bros., lime and cement	20 70	
John W. Fleming, carriage and harness repairs	11 85	
E. A. Brown & Co., powder and fuse	6 80	
Sartwell, Heinold & Humphrey, robe	5 00	
P. H. Henderson & Son, carriage repairs	3 40	
Thomas J. Grey & Co., tobacco stems	3 07	
		\$496 79
<i>Amount carried forward,</i>		\$8,182 34

Amount brought forward,

\$8,182 34

DECEMBER BILLS.

Jas. H. Morton, salary and sundries	\$174 64
P. J. Smith, plumbing and hardware	59 85
F. D. Rideout, salary	41 65
Jas. Travers, horse shoeing	34 50
Poole & Flanders, mason work	23 87
P. H. Henderson & Son, carriage hardware	6 75
H. G. Jordan & Co., coal	6 75
McBarron & Co., iron	5 30
Geo. B. Reed, mortuary law book, ...	3 00
Rockwell & Churchill, printing	2 85
Samuel Hobbs & Co., stationery	2 05
Printing Department, stamps	2 00
Boston Dist. Messenger Co.	55

 363 76

Total bills and salaries	\$8,546 10
Total rolls	24,582 06

 \$33,128 16

Transfer from Mt. Hope Cemetery debit to Mt.

Hope Water Pipes, etc., debit	3,137 97
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Total bills, salaries, and rolls	<u>\$29,990 19</u>
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SPECIAL APPROPRIATION FOR WATER PIPES, ETC., \$10,000.

Pay-roll week ending Oct. 29 —

Cemetery men	\$411 00
Water Dept. men	599 06

Pay-roll week ending —

Nov. 5	433 76
“ 12	543 00
“ 19	532 50
“ 26	300 00
Dec. 3	273 50
“ 10	300 00
“ 17	200 00

 \$3,592 82
Amount carried forward,

 \$3,592 82

Amount brought forward, \$3,592 82

BILLS.

Thos. J. Norton, carpenter work .	\$54 00	
Geo. N. Edling, painting and glazing	49 50	
E. F. Maher, drawing plans and preparing specifications . . .	100 00	
Thos. J. Norton, carpenter work .	45 00	
Geo. N. Edling, painting and glazing	25 95	
Spaulding Print Paper Co., blue prints	2 14	
Nora E. Kendricken, typewriting,	2 00	
		278 59
Bills and rolls		\$3,871 41
Transfer from Mt. Hope Cemetery debit to Mt. Hope Water Pipes, etc., debit . . .		3,137 97
Total expenditures		<u>\$7,009 38</u>

REGULAR APPROPRIATION.

Receipts.	\$30,079 08
Expenditures	29,990 19
Balance on hand Jan. 31, 1897	<u>\$88 89</u>

SPECIAL APPROPRIATION.

Receipts	\$10,000 00
Expenditures	7,009 38
Balance on hand Jan. 31, 1897	<u>\$2,990 62</u>

Respectfully submitted,

J. ALBERT BRACKETT, *Chairman*,
 CHARLES M. BROMWICH,
 WILLIAM J. FALLON,
 JACOB MORSE,
 WILLARD C. VAN DERLIP,
Trustees Mt. Hope Cemetery.



ANNUAL REPORT

OF THE

OVERSEEING OF THE POOR DEPARTMENT,

FOR THE YEAR ENDING JANUARY 31, 1897.

BOSTON, February 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: The Board of Overseers of the Poor herewith present their thirty-third annual report of the present series, covering the year from February 1, 1896, to January 31, 1897.

EXPENSE OF THE DEPARTMENT.

Our drafts upon the city treasury during the year ending January 31, 1897, amounted to \$129,162 92

Sundry receipts paid over to city collector 20,287 07

Leaving the net charge to the city for the department for the year \$108,875 85

Amount collected by us for care in City Hospital of State paupers, and those belonging elsewhere than in Boston, and paid over to the trustees of the City Hospital \$28,460 49

STATISTICS OF CASES AIDED.

The number of families assisted by us in the year was 3,353, a decrease of 166 families from the previous year. Of these, 355 families resided in other cities and towns, but had retained their settlement in this city; and we received payment for aid rendered to 250 families residing in Boston, whose legal settlement was elsewhere.

The number of new cases aided during the year was 765, a decrease of 2 from the year previous. The total number of cases dealt with since 1864, is 33,032.

The number of official visits made by our visitors during the year, was 20,307. In addition, 1,055 visits were made by three physicians in our employ.

FAMILIES AIDED DURING THE YEAR ENDING JANUARY 31, 1897.

1,851 having settlements here, aided directly from this office, or by agents in the outlying districts.

355 having settlements here, aided in other cities and towns, through the overseers of the poor of those places.

329 families, of which the man is unsettled, the wife and children having a settlement here.

250 residing here, having settlements in other cities and towns, which refund amount of relief granted.

421 unsettled cases, aided on account of the State.

147 non-settlement cases, temporarily aided.

3,353 families, representing about 10,059 persons.

NUMBER OF FAMILIES AIDED IN EACH MONTH OF THE PAST TWO YEARS.

1895. Feb.,	1,983 families.	1896. Feb.,	1,758 families.
March,	1,819	March,	1,688
April,	1,356	April,	1,208
May,	1,155	May,	1,065
June,	1,127	June,	1,046
July,	1,093	July,	1,093
Aug.,	1,048	Aug.,	995
Sept.,	1,074	Sept.,	1,045
Oct.,	1,145	Oct.,	1,167
Nov.,	1,151	Nov.,	1,159
Dec.,	1,541	Dec.,	1,600
1896. Jan.,	1,800	1897. Jan.,	1,842

DISTRICTS.	Number of Families aided.	Amount of Aid given.	Population by Census of 1890.
East Boston.....	157	\$2,513 02	36,930
Charlestown.....	426	8,192 06	38,348
City Proper.....	1,121	23,340 39	149,449
South Boston.....	456	10,743 55	66,791
Roxbury.....	606	18,228 27	90,292
Dorchester.....	74	2,778 59	20,638
West Roxbury.....	79	3,563 03	24,997
Brighton.....	56	1,631 41	12,032
Living out of city but aided from this office.....	23	1,425 85	
Living out of city and aided through officers of other cities and towns	355	12,626 81	
Totals.....	3,353	\$85,042 98	448,477

To the sum of \$85,042.98, given directly to the poor, should be added the sum of \$3,389.15 paid for burials, the sum of \$6,149.05 paid for support of the Temporary Home, and the further sum of \$7,927.25 paid for support of the Lodge for Wayfarers; making a total of \$102,508.43 actually paid out by the Overseers of the Poor from the tax levy for the direct relief of the poor. We have also disbursed as trustees the further sum of \$30,842.45 to the various pensioners and beneficiaries adjudged worthy and falling within the provisions of the trusts.

THE WORK TEST.

The Board has continued to demand work of all able-bodied male applicants in return for groceries and coal furnished their families.

	1894.	1895.	1896.
Number of men who worked for aid given . . .	1,130	580	525
Number of days of work actually performed . . .	7,161	3,583	3,395
Number of men receiving work-cards who did not present them for work . . .	199	107	108

TEMPORARY HOME FOR WOMEN AND CHILDREN.

Statistics for Year ending January 31, 1897.

1,155 women admitted 2,637 times,
 Of whom 648 were habitual inmates.
 " " 507 came for first time.

850 women admitted once only, or 850 times,
 Of whom 439 had never been admitted before.
 " " 411 had been previously admitted.

305 women admitted 1,787 times,
 Of whom 68 had never been admitted before.
 " " 257 had been previously admitted.

369 women of the 1,155, known to have been in prison
 or almshouse, or both.

786 women of the 1,155, not known to have been in prison
 or almshouse.

700 children admitted 860 times,
 Of whom 290 came with mothers.
 " " 89 were lost children.
 " " 20 were foundlings.
 " " 73 came in various ways.
 " " 177 were sent by the State.
 " " 51 by the Soc. for P. of C. to Children.

241 places secured at domestic service by Industrial Aid
 Society.

198 places secured at domestic service by Temporary Home.

2,675 meals given to 1,280 women, 354 of whom had been
 inmates, and 62 children, in outside relief.

23 of these women had over 25 meals each.

52 " " " " from 10 to 25 meals each.

1,205 " " " " " 1 to 10 " "

We have continued during the year to pursue the policy indicated in our last reports. We have acquired a better knowledge of the inmates, and have been able to work for them more intelligently, through the fuller records gained by interchange of information with other departments and organizations. We have kept the women well occupied while in the Home with housework, washing, and ironing. We have also obtained 439 places in families for them, 241 of which were procured by the kind co-operation of the Industrial Aid Society. We have sent several women to the almshouse, who, for various reasons, could not get employment, and who could not be properly provided for outside.

We have thus endeavored to supplement, and not to duplicate, the work of the almshouse, and to maintain the temporary character of the Home, as a shelter for those in real need, or in search of work.

The full number of inmates is less by 39 than last year, and, as shown by the figures at the head of this report, it is interesting to note that the number of women who came only once, viz., 850, is larger by 127 than last year, and the number of women who came often, viz., 305, is 166 smaller than last year.

This small proportion of well-known and frequent comers are usually incapable of remaining long in their housework places, and the question of starting them anew and managing them wisely is the most difficult one we have to meet.

The Building Department has made a careful inspection of our building, and, by its recommendation, the Home is now provided with two mechanical fire gongs and two additional fire-escape bridges. The Building Department also stated in writing that they considered it of the utmost importance that some person should be on duty through the night, as a protection against fire, and we have therefore made a new arrangement for this purpose, by which the night matron not only answers calls at the door, as formerly, but remains on watch during the whole night. This has made it necessary to employ another assistant.

WAYFARERS' LODGE AND WOOD-YARD.

In this most valuable auxiliary department there has been a continuance of the decrease in the number of applicants for food and lodging spoken of in last year's report. The total number of lodgers during the past year was 21,240, as against 24,408 in the previous year, a decrease of 3,168, or almost exactly thirteen per cent.

This decrease continues, notwithstanding the fact that the number lodged by the police showed a still further loss over the preceding year, the figures being 336 for 1896, as against 657 in 1895, or nearly fifty per cent. less.

We referred to the causes bringing about this wholesome improvement last year. An effort is now being made to amend the existing laws so as to make these same causes operative throughout the Commonwealth.

A new departure was made last summer in the matter of teaming. The horses and teams owned by the wood-yard were sold, and the teaming is now done by contract, at a fixed rate per cord. This relieves us of the care and feeding of the horses, and all liability to their loss by death or fire; and it is expected that a large saving of expense will ultimately result by reason of the decreased expenditure during the dull season of the year. Formerly the expenses of

the teams and the salaries of teamsters were nearly as great in summer, when comparatively little wood was being sold, as in our busy season in the fall and winter. Now we pay only for the amount of wood hauled.

We have made application for the use of the school-house, soon to be abandoned, situated on Chardon-street place, adjoining the rear of our wood yard. This would give us needed room for cutting up and storing our wood, as well as additional quarters for the tramps. This action was made necessary by the sale of the wharf, which we have leased for many years, and where we have received our wood from schooners in the summer, and piled it up in readiness to be prepared for market, either there or at our yard on Hawkins street.

This sale will compel us to secure another wharf or suitable storage-room elsewhere. It happens, very fortunately, that the School Board are building a new school-house in our district, which, when completed, will accommodate the pupils now attending the Chardon-street place school, leaving that school-house to be sold or otherwise disposed of by the committee. In this contingency we feel that our Board should be given the use of the building and yard, both of which would be extremely valuable to us.

STATISTICS OF THE WAYFARERS' LODGE.

	1895.	1896.
Total number of meals furnished during the year	59,603	48,785
Total number of lodgers during the year,	24,408	21,240
The birthplaces of these lodgers were as follows:		
America	11,049	9,739
Ireland	7,735	6,053
England	1,713	1,895
British Provinces	1,452	1,366
Scotland	643	823
Other countries	1,816	1,364
	24,408	21,240

	Meals.			Lodgers.
1895. February	6,998	1896. February		1,893
March	8,169	March		2,061
April	6,002	April		1,826
May	4,300	May		1,569
June	3,646	June		1,454

	Meals.		Lodgers.
1895. July . .	4,419	1896. July . .	1,315
August . .	4,366	August . .	1,228
September . .	4,036	September . .	1,649
October . .	3,751	October . .	2,082
November . .	4,019	November . .	2,087
December . .	4,522	December . .	2,138
1896. January . .	5,374	1897. January . .	1,938

Number of tramps cared for —

	In the Wayfarers' Lodge.	In the Police Stations of Boston.
In 1892 was	32,803	3,150
" 1893 "	33,416	5,320
" 1894 "	32,815	15,502
" 1895 "	24,408	657
" 1896 "	21,240	336

LEGAL DEFINITION OF A TRAMP.

The following act was passed by the Legislature of 1896. It is chapter 385, and is entitled — "An Act Relative to Tramps."

It is as follows :—

"SECTION 1. Any person, not being a minor under seventeen years of age, a blind person, or a person asking charity within his own city or town, who roves about from place to place begging, or living without labor or visible support, shall be deemed a tramp. An act of begging or soliciting alms, whether of money, food, lodging or clothing, by a person having no residence in the town within which such act is committed, or the riding upon a freight train of any railroad, whether within or without any car or part thereof, without a permit from the proper officers or employees of such railroad or train, shall be *prima facie* evidence that such person is a tramp."

INCREASE OF SALARIES.

During the past year quite a general increase has been made in the salaries of the employees of this department. Nearly all of the recipients of increased salaries had been in the service of the department for many years.

FIRE-ESCAPES AND ELECTRIC LIGHTING.

During the year much needed fire-escapes have been put on to the Charity Building and the Temporary Home for

Women and Children. Both buildings have been provided with the necessary wires for electric lighting, and in a few months it is hoped that this welcome improvement will go into effect.

ROXBURY MEDICAL DISTRICT.

By a vote of the Board the employment of a physician in Roxbury has been discontinued, to take effect on the first day of April, 1897. Private dispensaries abound in Roxbury, and ample provision is thus made for the care of the sick poor, without the necessity of pauperizing the applicants. The saving to the city in the salary of the physician, and in the cost of medicines, will be considerable. The Overseers and their visitors always have the power to call in a physician in urgent cases, to attend to a poor family in distress.

DELIVERY OF GROCERIES.

It has been decided to deliver all groceries, when possible, directly from our storehouse in Hawkins street, even in the outlying districts. During the past year Dorchester and West Roxbury have been added to the territory previously covered by our teams. Our teamster now makes trips all over the city, thus doing away with the necessity of purchasing supplies of retail grocers, except in special cases. In this way a saving will doubtless be made both by the department and by the recipients of the groceries. Our facilities for purchasing the best articles at the lowest wholesale cash prices are such that we can undoubtedly supply our poor people at better rates than we can order them from the neighborhood groceries; and the goods are likely to be of better quality and greater quantity.

THE HARD TIMES.

The extreme depression of business during the summer and autumn of 1896, caused by the peculiar phases of the presidential campaign, resulted in the closing up of many factories and workshops, and the consequent non-employment of great numbers of working people. Students of social problems are quite generally agreed that the paralysis of business and the lack of work were so universal last fall as to create a situation not unlike that brought about by the financial panic of 1893. Fortunately, the sad experience of our community in connection with the special relief work of the winter of 1893-94 was still fresh in our memory, so that the city authorities, the existing relief-giving societies and

other organized charities, were allowed to quietly care for the suffering caused by the hard times without interference on the part of the sympathetic but inexperienced public.

The result proved that the costly experiments of the winter of 1893-94 were not made in vain. The present crisis has been fairly well met, and all known and worthy cases promptly provided for without great apparent strain upon the resources of the city or private charities. The number of families aided by the Overseers of the Poor during the months of November, December, and January last past, shows an increase of but 109 over last year. This is comparatively a small difference, but the statistics of the private charities show a much larger increase in the same period. Doubtless we would have had to report an enormous increase in the number of new applications for aid had the same unusual and extraordinary methods of relief been put into operation this winter as in the memorable winter of 1893-94.

The hard times of the past winter affected a class of worthy self-supporting people; whose savings had gradually become exhausted by long continued lack of employment. Many had never needed to ask aid before, and they were loath to ask it of the public authorities. Much praise is due the private charities for the admirable manner in which these numerous cases have been helped. By preserving the self-respect and independence of such applicants, a great gain was made for the community. For it is much harder for such a family to again become self-supporting if aid is obtained by them in times of need from public sources. Private aid is apt to be regarded as a debt to be repaid; public aid as a right to be received without thought of obligation of repayment.

TRUST FUNDS.

The total amount of the trust funds in our charge as a corporation is now \$714,607.97, an increase during the last year of \$2,042.

The number of pensioners now aided from the Pemberton, the Boylston Relief, the David Sears Charity, the Moses Hunt, and the Goodnow Funds is two hundred and eighty-four, fourteen less than on February 1, 1896. During the year twenty-nine have died, three have gone to homes, one has gone to an insane asylum, one has moved out of the state, three have become self-supporting, two have been provided for by state aid department, six have been provided for by relatives, one has become settled elsewhere, five have with-

drawn, and one has been transferred to the city list. Thirty-eight new names have been added.

We have paid during the year from the Boylston Education Fund \$6,676.63 for the board of children, conformably to the terms of that trust.

For details of the various trust funds held by us, and receipts and expenditures since February 1, 1896, see the tabulated statement herewith submitted. Extracts from the wills establishing these trusts will also be found at the end of this report.

FINANCIAL STATISTICS.

Reports of the secretary and treasurer are herewith appended. These show all receipts and expenditures during the last twelve months, so arranged that the expenses of the several branches of our work can be readily ascertained. A schedule of the personal property in our hands February 1, 1897, is also annexed.

Respectfully submitted,

In behalf of the Overseers of the Poor,

WILLIAM P. FOWLER,

Chairman.

Note. — In accordance with the practice of recent years, we had an expert accountant examine the books and accounts of the Board at the close of the financial year. His report is as follows:

“This is to certify that I have carefully examined the books and accounts in the office of the Overseers of the Poor, those in connection with the managing and dispensing the appropriations of the city, and also the trust funds and the income thereof, and found them clear and correct.

“All receipts were deposited in banks, payments were properly vouched, and the two sets of books exactly balance.

“GEORGE T. STODDARD,

“Auditor.”

BOSTON, March 5, 1897.

FINANCIAL REPORT.

Statement of receipts and expenditures for the year ending
January 31, 1897 :

RECEIPTS.

Cash on hand February 1, 1896,	\$1,437 77	
Drafts on City Treasurer, and requisitions for Temporary Home and Wayfarers' Lodge,	129,162 92	
Cash from cities and towns .	7,204 34	
Cash from occupants of Charity Building, for heating . . .	1,180 54	
Cash from Commonwealth, for relief	7,305 85	
Cash from State and other sources, for burials . . .	2,832 12	
Aid returned by paupers . . .	163 37	
Cash from sundry persons, for board in Temporary Home .	294 87	
Cash for storage of ladder at Lodge	6 00	
Receipts on account of aid in City Hospital:		
Cities and towns, \$9,323 56		
State of Massa- chusetts . . . 18,915 93		
	28,239 49	
Receipts from State of Massa- chusetts, for account of Car- ney Hospital cases . . .	2,548 38	
Receipts from sale of old barrels, etc., by the Supply Depart- ment	319 50	
		\$180,695 15

EXPENDITURES.

Amount paid for burials . . .	\$3,389 15
Amount paid cities and towns, for relief of Boston poor . .	12,626 81
Amount paid expenses Tempo- rary Home	6,149 05
<i>Carried forward,</i>	\$22,165 01

<i>Brought forward,</i>	\$22,165 01
Amount paid expenses Lodge for Wayfarers	7,927 25
Amount paid pensions and grants at office	22,458 34
Amount cash paid for immediate relief of persons having no settlement	366 26
Amount paid for fuel (1,264 tons of coal and 31 cords and 3½ feet of wood)	7,865 74
Amount paid for groceries and expense of delivery	33,525 05
Amount paid salaries of treas- urer and secretary	4,500 00
Amount paid salaries of book- keeper and clerks	5,100 00
Amount paid salaries of visitors and agents	13,333 36
Amount paid office expenses	995 76
Amount paid transportation	679 93
Amount paid Charity Building expenses	5,279 03
Amount paid medical attend- ance and medicine	2,926 09
	\$127,121 82
Cash paid City Hospital	28,460 49
Cash paid City Collector	20,287 07
Cash paid Carney Hospital, as received from Common- wealth	2,548 38
Cash balance, January 31, 1897,	2,277 39
	<u>\$180,695 15</u>

PAYMENTS TO THE CITY COLLECTOR DURING THE YEAR.

Receipts from occupants of Charity Building for heating during the year	\$1,180 54
Receipts from cities and towns	8,102 91
Receipts from the State for burials	2,436 23
Receipts from the State for relief of sick and wife settlement cases	2,343 72
Receipts from the State for temporary aid	4,962 13
Receipts for sundry burials	405 34
<i>Carried forward,</i>	<u>\$19,430 87</u>

<i>Brought forward,</i>	\$19,430 87
Receipts from paupers, aid refunded by them,	165 64
Receipts for account Temporary Home, board of women and children	306 87
Receipts from sale of barrels by Supply De- partment	376 44
Receipts from sale of old rags, etc., at Lodge,	7 25
	\$20,287 07

EXPENDITURES ON ACCOUNT OF LODGE FOR WAYFARERS.

Salaries	\$3,633 13
Groceries and provisions	2,494 86
Furnishing goods, bedding, and furniture	265 57
Fuel and gas, 100 tons coal, 10 cords wood	938 65
Repairs, etc.	49 39
Stationery and printing	108 63
Water-rates	284 40
Sundries	64 62
Medical attendance	3 00
New refrigerator	85 00
	\$7,927 25

EXPENDITURES ON ACCOUNT OF CHARITY BUILDING.

Fuel, 350 tons coal and 1 cord of wood	\$1,577 25
Engineer's salary	1,800 00
Janitor's salary	1,000 00
Disinfectants	38 52
Gas	139 95
Water-rates	84 00
Sundries	30 94
Extra labor in boiler-house and building	65 00
Repairs and new gas fixtures	98 98
Plumbing	63 80
Cleaning	380 59
	\$5,279 03

Deduct estimated cost of heat- ing the Temporary Home, included in the above	\$1,510 31	
Also amount received from occupants	1,180 54	
		2,690 85
Net cost		\$2,588 18

EXPENDITURES FOR CITY TEMPORARY HOME.

Groceries, provisions, etc.	\$1,775 25
Salaries	1,748 33
Fuel and gas, 30 tons coal, 6 cords wood .	352 68
Water-rates	218 30
Medical attendance and medicine . .	768 80
Furniture and household goods . . .	482 52
Extra labor	130 28
Repairs	149 76
Sundries	78 23
Stationery	47 05
Telephone	42 43
Improvements	355 42
	\$6,149 05
Estimated cost of heating, included in Charity Building expenditures	1,510 31
	\$7,659 36
Deduct receipts for board and medical relief of sundry persons	294 87
Net cost	<u><u>\$7,364 49</u></u>

Statement of Trust Funds in the Hands of the Overseers of the Poor, F. W. Lincoln, Treasurer, January 31, 1897.

INVESTMENTS.	Pemberton or General Fund.	Boylston Education Fund.	Boylston Relief Fund	Mason Fund.	Dexter Fund.	Jeffries Fund.	Lucy Bullman Charity.	David Sears Charity.	Pierce Fuel Fund.	Holton Protestant Pauper Fund.	Holton Protestant Poor Fund.	Stoughton Poor Fund.	Goodnow Fund.	Rachel T. Stevens Fund.	Moses Hunt Fund for the Destitute.	Total.
United States four per cent. Treasury Bds.				6	\$7,300 00											\$7,300 00
City of Boston Currency Notes..... 34	\$110,000 00 46	\$137,500 00 19	\$26,250 00 1	1,000 00 7	\$4,750 00 9	\$5,500 00 27	\$21,750 00 43	\$257,500 00 1	\$1,500 00 5	\$3,750 00 1	\$1,500 00 4	\$2,250 00 7	\$7,250 00 3	\$3,000 00 2	\$10,500 00	594,000 00
Fifty Associates' Corporation Stock.....							19	22,800 00								22,800 00
Real Estate.....							48,066 32							2,200 00		50,266 32
Columbian National Bank Stock.....		60	6,000 00													6,000 00
New England " " "..... 50	5,000 00															5,000 00
North " " "..... 9	882 00 16	1,608 00														2,490 00
State " " "..... 60	6,000 00															6,000 00
Tremont " " "..... 23	2,300 00 6	600 00														2,900 00
Union " " "..... 32	3,200 00		28	2,800 00												6,000 00
Washington " " "..... 60	6,000 00															6,000 00
Swamscot Machine Company..... 9	450 00															450 00
Investments.....	133,832 00	\$145,708 00	\$29,050 00	\$8,300 00	\$4,750 00	\$5,500 00	\$21,750 00	\$328,366 32	\$1,500 00	\$3,750 00	\$1,500 00	\$2,250 00	\$7,250 00	\$5,200 00	\$10,500 00	\$709,206 32
Cash.....	1,462 29	521 80	1,347 51	205 57	321 65	710 97	1,113 23		138 30	301 32	72 54	459 89	378 05		277 27	5,401 65
Cash Overdrawn.....								1,908 74								
Total.....	\$135,294 29	\$146,229 80	\$30,397 51	\$8,505 57	\$5,071 65	\$6,210 97	\$22,863 23	\$326,457 58	\$1,638 30	\$4,051 32	\$1,572 54	\$2,709 89	\$7,628 05	\$5,200 00	\$10,777 27	\$714,607 97
Total, January 31, 1896.....																712,565 97
Increase.....																\$2,042 00

Boston, January 31, 1897.

FREDERIC W. LINCOLN,
Treasurer.

TRUST FUND.—Cash Accounts, February 1, 1896, to January 31, 1897.

	PEMBERTON FUND.		BOYLSTON EDUCATION FUND.		BOYLSTON READER FUND.		MASON FUND.		DEALER FUND.		JENNIES FUND.		LUCY BULLMAN CHARITY.		THE DAVID SEARS CHARITY.		PIERCE FUEL FUND.		HOLTON PROTESTANT PALMER FUND.		HOLTON PROTESTANT POOR FUND.		STURGEON POOR FUND.		GOODNOW FUND.		RACHEL T. STEVENS FUND.		MOSES HUNT FUND FOR THE DESTITUTE.		TOTAL.	
	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.
Cash, January 31, 1896	\$1,410 21		\$418 00	\$1,293 40		\$193 40		\$178 41		\$458 47		\$724 50		\$2,272 91		\$45 90		\$125 49		\$3 15	\$340 04		\$291 07				\$152 56		\$2,259 65			
RECEIPTS.																																
Bank Dividends, including Tax refunded by the State	1,468 70		\$419 50		214 84																										2,103 44	
Interest on City Notes	1,554 91		6,687 50		1,110 00		40 00		188 75		248 75		887 50		\$10,830 00		90 00		170 00		\$75 00		107 50		200 00		\$120 00		420 00		25,819 94	
Interest on United States Bonds							292 00																								292 00	
Interest on Deposits	3 44		9 96		4 27		4 27		6 23		3 75		13 10				2 40		5 83		69		11 75		6 48				4 71		76 88	
Interest													1,963 68		1,014 17											100 00					2,777 85	
Dividends on Fifty Associates' Stock															2,280 00																2,280 00	
Sale of Bank Stock	2,400 00		700 00																												3,100 00	
PAYMENTS.																																
City Note		\$2,000 00																													\$2,000 00	
Pensions		6,375 00			\$1,275 00										13,760 00										\$150 00				\$300 00		21,860 00	
Board of Boys at the House of the Angel Guardian				1,820 27																											1,820 27	
Board of Boys and Girls, Children's Aid Society				547 28																											547 28	
Board of 1 Boy at Working Boys' Home				240 00																											240 00	
Board of Girls at St. Vincent's Asylum				2,145 11																											2,145 11	
Board of 1 Girl at Mt. St. Joseph Academy				188 57																											188 57	
Board of 1 Girl				104 00																											104 00	
Paid on account of salary of the Chaplain of the House of Industry							\$324 19																								324 19	
Grants													\$2,075 80																		2,075 80	
Paid Repairs on Cambridge-street Houses													99 75																		99 75	
Paid Beneficiary																										\$178 28					178 28	
Paid Tax on Real Estate in Somerville																											41 72				41 72	
Cash, January 31, 1897	1,492 29		521 80		1,247 51		205 57		321 65		\$710 97		1,113 23			\$138 30		\$301 32		72 54		\$459 89		378 05				277 27			5,401 65	
Cash overdrawn															1,908 74																	
Totals	\$9,687 29	\$9,687 29	\$7,817 99	\$7,817 99	\$2,622 51	\$2,622 51	\$829 76	\$829 76	\$678 39	\$678 39	\$710 97	\$710 97	\$3,288 78	\$3,288 78	\$16,032 91	\$16,032 91	\$138 30	\$138 30	\$301 32	\$301 32	\$75 00	\$75 00	\$459 89	\$459 89	\$538 05	\$538 05	\$220 00	\$220 00	\$577 27	\$577 27	\$38,709 76	\$38,709 76

E. E. Boston, January 31, 1897,

FREDERIC W. LINCOLN, Treasurer.

TRUST FUNDS IN THE HANDS OF THE OVERSEERS OF THE POOR.

Pemberton Fund.—This fund comprises bequests and gifts made to the city of Boston from 1760 to the present time from “A. B.,” Daniel Oliver, Margaret Blackader, Alice Quick, Anne Wheelright, Mary Ireland, Benjamin Pemberton, Martha Stevens, Mrs. H. Driscoll, William Breed, Samuel Eliot, John Coffin Jones, Mary Belknap, “A Citizen of Boston,” Anonymous, Miss Dr. Harriot K. Hunt, George Higginson, Walter E. Hawes, and Wm. B. Spooner. The most important, however, of the bequests was from Benjamin Pemberton, Esq., whose will was proved June 25, 1782, and for that reason his name has been given to the fund. The income of this fund is to be expended, at the discretion of the Overseers, in semi-annual payments to the poor of the city.

Boylston Relief and Education Funds.—These funds were from a bequest by John Boylston, who died in London, England. His will was proved June 12, 1795. One portion of the bequest is ordered to be paid to “poor and decayed householders of the town of Boston not under fifty years of age; persons of good character, and reduced by the acts of Providence, not by indolence, extravagance, or other vice.” The other portion to be applied to the “nurture and instruction of poor orphans and deserted children of the town of Boston until fourteen years of age.”

Mason Fund.—A bequest from Jonathan Mason, by will dated July 15, 1798, interest to be paid annually to the chaplain of the almshouse or workhouse; interest to be added until one is appointed. The interest is now paid semi-annually towards the salary of the chaplain of the House of Industry.

Dexter Fund.—A bequest from Samuel Dexter, by will dated May 7, 1811, for supplying fire wood or coal to such objects of charity as are not supported in the almshouse, though sometimes relieved by the Overseers of the Poor.

Jeffries Fund.—A bequest by David Jeffries, former Town Treasurer. Will dated January, 1786: “Income to be applied to the purchase of tea, coffee, chocolate, and sugar, for the refreshment of those persons who, in the

providence of God, are or shall be obliged to seek refuge in the almshouse, after having lived reputably; but always giving preference to the pious poor."

Lucy Bullman Charity consists of an estate on Cambridge and Joy streets, in this city, which came into the possession of the city of Boston, in accordance with the will of Lucy Bullman, proved at Probate Court, Suffolk County, January 9, 1832, in which it is provided that, upon the death of certain persons therein named, said estate is given to the city of Boston, upon the condition that the estate should never be sold, but the income used for the benefit of the poor. By a vote of the City Council, approved by the Mayor, January 4, 1873, this estate was placed in charge of the Overseers of the Poor.

The David Sears Charity is a fund contributed by the late Hon. David Sears for the relief of the poor, the income only to be expended "in aid and for the support of citizens or families who may have seen better days, and for charity in all its forms, in such a manner as may best tend to alleviate the sufferings of human life and render the condition of the poor more comfortable."

Pierce Fuel Fund. — The legacy of Caleb Pierce to the city of Charlestown, accepted by the City Council of that city, May, 1861: "Income to be expended in the purchase of fuel, to be distributed to those indigent widows whose husbands, before their decease, had resided in Charlestown at least one year, and the said widows still continuing to reside in Charlestown at the time of receiving said bounty. Income payable annually to the Trustees of the Charlestown Poor Fund."

Holton Protestant Poor Fund. — A bequest by James Holton to the inhabitants of the town of Brighton: "Income to be annually expended forever in purchasing and distributing provisions among poor and indigent Protestant families in said town of Brighton, on Thanksgiving or other holidays, or just previous to such holidays, to the end that such poor Protestant families may have the means, in some degree, of enjoying such holidays in common with their fellow-citizens; and I specially direct that in such periodical distributions unmarried Protestant females who are poor or needy shall receive a liberal share of provisions, and also other articles of comfort, such as such distributors shall deem to be the most conducive to the comfort and happiness of that lone class of citizens."

Holton Protestant Pauper Fund. — A bequest by James Holton to the inhabitants of the town of Brighton: "Income

to be annually expended, in whole or in part, as necessity or circumstances may require, by the Selectmen of said town, in providing good and plentiful meals, on Thanksgiving day, or other holidays, to the Protestant paupers of said Brighton." Unexpected income to be added to the principal.

Stoughton Poor Fund. — A bequest of Lieut.-Gov. William Stoughton, who died July 7, 1701. By his will he gave £50 to the relief of the poor of Dorchester, to be improved by the care of the Selectmen, the income to be distributed to the most needy inhabitants.

Goodnow Fund. — A bequest of Elisha Goodnow (to be paid over upon the decease of his wife) to the city of Boston and its assigns, "to be invested and the income applied forever to and for the relief, assistance and support of the poor, sick, and infirm in said city, not supported by the said city in its almshouse, in such manner as the said city, or the government or officers thereof, may deem most judicious, but without reference to the religious faith or belief of those who may apply for or need the assistance from this fund" \$5,000, received April 29, 1885.

Rachel T. Stevens Fund. — A bequest of Rachel T. Stevens, the net income to be paid (after the death of a person named in the will) "for the support and maintenance of poor, worthy Protestant single women of Boston, who have arrived at the age of fifty years (not including widows), paying to each of such women during her life the sum of one hundred dollars, in semi-annual payments. Upon the marriage of any beneficiary under this will no further payment of money is to be made to her, nor is any further payment of income to be made to any beneficiary who becomes unworthy of help under this trust."

Moses Hunt Fund for the Destitute. — "The income to be devoted to the relief and welfare of Protestant destitute residents of that part of said Boston which was Charlestown." \$10,000, received March 7, 1889, has been invested in a city of Boston note.

OVERSEERS OF THE POOR, 1896-97.

[One-third of the Board is appointed annually by the Mayor, subject to the approval of the Board of Aldermen.]

Terms expire April 30, 1897.

JOHN LAMB,
RICHARD C. HUMPHREYS,

ANNETTE P. ROGERS,
FREDERICK W. STUART.

Terms expire April 30, 1898.

WILLIAM P. FOWLER, *Chairman*,
THOS. SPROULES,

EDITH P. WOLCOTT,
CHAS. F. PARKER.

Terms expire April 30, 1899.

ISAAC T. CAMPBELL,
RACHEL E. S. THORNDIKE,

HENRY V. CUNNINGHAM,
CHARLES LOGUE.

FREDERIC W. LINCOLN, *Treasurer*.
BENJAMIN PETTEE, *Secretary*.

The Board meets on the first Wednesday of every month, at its office in Charity Building.

The Overseers of the Poor are likewise incorporated as a Board of Trustees of John Boylston's and other charitable funds, left for the assistance of persons of good character and advanced age, "who have been reduced by misfortune to indigence and want."

COMMITTEES.

Investigation and Relief.

Messrs. Fowler, Sproules, Miss Rogers, Mrs. Wolcott, Mr. Humphreys, Mr. Lamb, and Mr. Logue.

Finance and Accounts.

Messrs. Lamb, Logue, and Stuart.

Settlements and Legal Questions.

Messrs. Cunningham, Fowler, and Campbell.

Supplies.

Messrs. Fowler, Sproules, and Parker.

Temporary Home.

Miss Rogers, Mrs. Wolcott, and Mr. Sproules.

Lodge for Wayfarers and the Wood-yard.

Messrs. Humphreys, Fowler, and Lamb.

Building.

Mr. Sproules, Miss Rogers, and Mr. Parker.

Real Estate.

Messrs. Cunningham and Lamb.

Medical.

Dr. Campbell, Mrs. Thorndike, and Dr. Stuart.

Burials.

Messrs. Parker, Lamb, and Logue.

Boylston Education Fund Beneficiaries.

Mrs. Wolcott, Mr. Humphreys, and Mrs. Thorndike.

Holton Funds.

Miss Rogers and Mr. Parker.

OVERSEERS OF THE POOR WERE FIRST CHOSEN IN BOSTON IN 1691.

MEMBERS OF THE BOARD FROM ITS REORGANIZATION IN 1864.

- * Allen, Ira, 1868 to 1875 (died August 29).
- * Amory, Thomas C., 1864 to April, 1883.
- * Atkins, Ebenezer, 1864 to December 31, 1867 (died).
Ayer, James B., April, 1890, to May, 1893.
- * Bailey, Joseph T., November, 1866, to 1871.
- * Bigelow, Alanson, 1875 to April, 1881.
- * Blasland, Thomas, 1866 to 1873 (died September 5).
- * Buckley, Joseph, 1864 to 1875.
Burnham, Daniel S., from April, 1885, to May, 1891.
Campbell, B. F., October, 1882, to July, 1888.
Campbell, Isaac T., 1873 to date.
Caton, Asa H., December, 1890, to 1893.
Coleman, Charles, 1893 to May, 1896.
- * Crane, P. M., 1870 to 1882 (died August 13).
Cruft, Samuel B., 1871 to 1877.
Cunningham, Henry V., 1893 to date.
Curry, M. C., 1883 to May, 1896.
Curtis, George, 1876 to September, 1878.
Davis, James G., 1880 to 1886.
Dore, John P., 1879 to May, 1891.
Downey, Thos., Jr., 1887 to April, 1890, and May, 1891,
to January, 1895.
- * Fabyan, George, 1869 to 1874 (died May 25).
Fisher, Andrew P., from April, 1889, to May, 1893.
Fowler, William P., from April, 1889, to date.
Friedman, Solomon, 1886, to December, 1890.
Gargan, Thomas J., 1874 to 1875.
- * Gorman, William, 1877 to 1880 (died January).
- * Griffin, Martin, 1864 to 1869.
Hale, George S., 1865 to 1871.
- * Hull, Liverus, 1874 to April, 1883.
Humphreys, Richard C., May, 1890, to date.
Lamb, John, 1891 to date.
- * Lawrence, William R., 1864 to November, 1865.
Lincoln, F. W., May, 1867, to April, 1878.
- * Little, James L., November, 1865, to November, 1876.
- * Lothrop, Loring, 1864 to April, 1870.

- Madden, Daniel A., 1883 to April, 1889.
- * McLean, Charles R., 1868 to 1871.
 - * Newmarch, S., 1864 to 1865.
 - Newell, Otis K., from July, 1888, to May, 1891.
 - O'Brien, John, 1871 to 1874.
 - Parker, Augustus, November, 1878, to April, 1880.
 - Parker, Charles F., June, 1895, to date.
 - * Parker, F. E., 1864 to 1875.
 - Pickering, H. W., 1875 to April, 1884.
 - Prescott, Washington L., 1875 to December, 1878.
 - Richards, Henry L., 1877 to August, 1878.
 - * Richards, Joel, 1864 to 1866.
 - Ring, Thomas F., November, 1878, to April, 1887.
 - Rogers, Annette P., 1891 to date.
 - * Sawin, Samuel D., April, 1884, to July, 1890 (died).
 - Scott, John A., April, 1881, to April, 1884.
 - * Spooner, William B., 1864 to 1868.
 - Sproules, Thomas, 1883 to date.
 - Stackpole, Stephen A., 1880 to April, 1883.
 - Sullivan, Daniel F., 1893 to June, 1895.
 - Sweetser, John, December, 1878, to April, 1879.
 - Temple, Thomas F., 1870 to April, 1890.
 - Turner, John, September, 1890, to May, 1893, and January, 1895, to November, 1896.
 - * Warren, John W., 1864 to April, 1866.
 - Welch, William J., April, 1884, to April, 1889.
 - Willcutt, Levi L., 1878 to April, 1885.
 - * Winthrop, Robert C., 1864 to May, 1867.
 - Wolcott, Edith P., 1893 to date.

Chairmen.

- * Winthrop, Robert C., July, 1864, to May, 1867.
- Lincoln, F. W., June, 1867, to April, 1878.
- Temple, Thomas F., April, 1878, to December 31, 1878, and from April, 1881, to April, 1890.
- * Amory, Thomas C., January, 1879, to April, 1881.
- Newell, Otis K., April, 1890, to May, 1891.
- Fowler, William P., May, 1891, to date.

Treasurers.

- * Warren, John W., July, 1864, to January, 1865.
- * Norcross, Otis, January, 1865, to January, 1876.
- * Higginson, George, 1876 to 1878.
- Lincoln, F. W., April, 1878, to date.

Secretaries.

- * Pratt, John, July, 1864, to November, 1874 (died).
 Pettee, Benjamin, November, 1874, to date.

OCCUPANTS OF CHARITY BUILDING.

Basement Rooms.

City Physician	Nos. 3 and 4
Homœopathic Dispensary	No. 5
Federation of Jewish Charities	Nos. 11 and 13

First-Story Rooms.

Overseers of the Poor	Nos. 15 to 20
State Aid Paymaster	" 21 to 24
Industrial Aid Society	" 25 to 28

Second-Story Rooms.

Associated Charities	Nos. 30 and 31
Boston Ladies' Sewing Circle	" 35 and 37
Boston Provident Association	Nos. 32, 33, 38, and 40
Society of St. Vincent de Paul	No. 36
German Aid Society	" 39

Third-Story Rooms.

Boston Children's Aid Society	No. 43
Co-operative Society	" 48
Ward 6 Conference, Associated Charities	" 49
Ward 8 Conference, Associated Charities	" 50
Ward 7 Conference, Associated Charities	" 51

In addition to the above, the Young Men's Benevolent Society holds its monthly meetings here, and the Boston Police Relief Association its annual meeting.

* Dead.

SCHEDULE OF PROPERTY IN CHARGE OF THE BOARD.

Charity Building: four rooms, occupied by the Board and its officers, have furniture needed for their use, desks, cases, chairs, etc.

City Temporary Home is supplied with furniture necessary to provide temporary accommodations for homeless women and children.

The Lodge for Wayfarers, for men, has furniture suitable for its use. At the Lodge, and at the wharf hired for the storage of wood, there are at the present time about 560 cords of wood. Also one wagon.

In a storehouse in the yard of Charity Building: the following groceries for delivery to the poor, and store-fixtures —

30 $\frac{1}{2}$	bbls. sugar.	22	$\frac{1}{2}$ lb. boxes cocoa.
17 $\frac{1}{2}$	chests tea.	75	bushels potatoes.
42 $\frac{1}{4}$	boxes soap.	3 $\frac{2}{3}$	bushels peas.
3	bbls. Indian meal.	78	lbs. cotton twine.
4 $\frac{3}{4}$	bbls. rice.	48	lbs. jute twine.
5 $\frac{3}{4}$	bbls. salt pork.	700	tags.
131	bbls. flour.	10	dry measures.
78	packages paper bags.	8	tunnels.
197	baskets.	5	chairs.
295	lbs. paper.	1	truck.
5	scales.	2	hatchets.
8	scoops.	1	meat-saw.
2	desks.	3	butcher-knives.
84 $\frac{1}{2}$	bushels beans.	1	meat-hook.
4 $\frac{3}{4}$	bbls. oatmeal.	4	twine-holders.
1,750	lbs. salt fish.	1	shovel.
44	cans cond. milk.		



ANNUAL REPORT
OF THE
PARK DEPARTMENT
FOR THE YEAR 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In accordance with the provisions of the Revised Ordinances, which require every officer and board in charge of a department to transmit to the Mayor a report containing a statement of the acts and doings, and receipts and expenditures, of the department for the preceding financial year, the Board submits the following report:—

FINANCIAL STATEMENTS.

I.

Receipts and Expenditures of the Department for the Twelve Months ending Jan. 31, 1897.

MAIN PARK SYSTEM.

LAND, CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan for Public Parks	\$298,857 02	
Amount transferred from appropriation for Maintenance	81,032 60	
Amount contributed by abutters Commonwealth ave.	5,000 00	
		<u>\$384,889 62</u>

COMMONWEALTH AVENUE.

EXPENDITURES FOR CONSTRUCTION.

Roadways, Sidewalks, Gutters and Drainage.

Roadways: labor and materials	\$592 85	
Sidewalks: labor and materials	404 04	
Signs and notices	20 17	
Engineers and expenses	3 54	
		\$1,020 60

Plantations.

Labor and expenses	\$170 15
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Plans and Designs.

Landscape architects and expenses	90	\$1,191
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FENS.

EXPENDITURES FOR CONSTRUCTION.

Grading, Loam and General Work.

General work: labor and materials	\$452 50	
Engineers and expenses	68 50	
		\$521 00

Boating Service.

Labor and materials	\$296 04
-------------------------------	----------

Roadways, Sidewalks, Gutters and Drainage.

Sidewalks: labor and materials	\$146 54	
Drainage: labor and materials	36 48	
		\$183 02

Plantations.

Labor and expenses	\$166 07
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Plans and Designs.

Landscape architects and expenses	\$23 57	\$1,189
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RIVERWAY.

EXPENDITURES FOR CONSTRUCTION.

Roadways, Sidewalks, Gutters and Drainage.

Roadways: labor and materials	\$2,845 15	
Gutters: labor and materials	1,597 18	
Sidewalks: labor and materials	342 87	
		\$4,785 20

Clearing, Grading, Loam and General Work.

Superintendence and general work	\$897 18
Engineers and expenses	417 63
Loam: labor and materials, ...	371 61

<i>Amounts carried forward,</i>	\$1,683 42	\$4,785 20	\$2,381 35
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PARK DEPARTMENT.

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<i>Amounts brought forward,</i>	\$1,686 42	\$4,785 20	\$2,381 35
Grading: labor and materials	349 89		
Fence: labor and materials,	272 81		
		\$2,309 12	

Retaining Wall.

Labor and materials	\$2,027 52
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Plantations.

Labor and expenses	\$588 34
------------------------------	----------

Water Supply.

Water-pipes and labor	\$440 40
---------------------------------	----------

Plans and Designs.

Landscape architects and expenses	\$399 85
---	----------

Boating Service.

Labor and materials	\$181 21
-------------------------------	----------

Administration Building.

Labor, expenses, furnishing, etc.	\$93 60	
		\$10,825 24

LEVERETT PARK.

EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Expenses in trials of suits	\$9,053 07
---------------------------------------	------------

Plantations.

Labor and expenses	\$10,763 37
------------------------------	-------------

Roadways, Sidewalks, Gutters and Drainage.

Drainage: labor and materials	\$2,073 42	
Roadways: labor and materials	347 35	
Gutters: labor and materials	8 24	
		\$2,429 01

Clearing, Grading, Loam and General Work.

General work: labor and materials	\$1,560 78	
Grading: labor and materials	302 94	
Engineers and expenses	265 32	
Clearing ground: labor and materials	66 14	
Loam: labor and materials,	3 25	
		\$2,198 43

Plans and Designs.

Landscape architects and expenses	\$410 53
---	----------

Water Supply.

Water-pipes and labor	\$101 99
---------------------------------	----------

Retaining Wall.

Labor	\$2 57	
		\$24,958 97

Amount carried forward,

\$38,165 56

Amount brought forward,

\$38,165 56

JAMAICA PARK.

EXPENDITURES FOR CONSTRUCTION.

Pine Bank House.

Building: amount paid	
under contract . . .	\$6,127 82
Drainage: labor and materials . . .	2,969 05
Wheelwright and Haven for superintendence . . .	583 64
Heating: amount paid	
under contract . . .	465 75
Labor and furnishing . . .	235 43
Insurance . . .	216 00
Electric wiring: amount paid under contract . . .	151 55
	\$10,749 24

Clearing, Grading and General Work.

General work: labor and materials	\$528 83
Engineers and expenses	486 50
Grading: labor and materials	220 34
Grading: advertising contract	22 00
Clearing grounds: labor and materials	15 00
	\$1,272 67

Plantations.

Labor and expenses	\$440 21
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Machinery, Tools and Implements.

Lawn mowers and ice tools	\$381 00
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Retaining Walls.

Labor and materials	\$163 01
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Plans and Designs.

Landscape architects and expenses	\$110 95
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Gutters.

Labor and materials	\$7 39
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Gate House.

Labor and materials	\$2 79
	\$13,127 56

ARBORWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Expenses in trials of suits	\$1,115 62
---------------------------------------	------------

Roadways, Sidewalks, Gutters and Drainage.

Roadways: labor and materials	\$5,469 94
Drainage: labor and materials	682 61
Gutters	245 50
	\$6,398 05
<i>Amounts carried forward,</i>	
	\$7,513 67
	\$51,293 12

PARK DEPARTMENT.

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Amounts brought forward, \$7,513 67 \$51,293 12

Clearing, Grading, Loam and General Work.

Grading: labor and materials	\$3,426 95	
Engineers and expenses	298 50	
General work: labor and materials	244 07	
		\$3,969 52

Water Supply.

Water-pipes and labor	\$1,724 85
---------------------------------	------------

Retaining Walls.

Labor	\$470 00
-----------------	----------

Plans and Designs.

Landscape architects and expenses	\$58 55
---	---------

Stony Brook Bridge.

Labor and materials	\$19 00	
		\$13,755 59

ARNOLD ARBORETUM AND BUSSEY PARK. EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Amount paid for land	\$2,746 97
--------------------------------	------------

Machinery, Tools and Implements.

Crusher plant	\$2,988 73
-------------------------	------------

Grading.

Amount paid under contract	\$1,949 50	
Labor and materials	308 89	
Advertising contract	37 58	
		\$2,295 97

Roadways, Walks and Drainage.

Engineers and expenses	\$1,265 74	
General work: labor	365 50	
Drainage: labor and materials	304 89	
		\$1,936 13

Plans and Designs.

Landscape architects and expenses	\$125 68
---	----------

Boundary Walls and Gateways.

Advertising and printing	\$36 50	
		\$10,129.98

WEST ROXBURY PARKWAY. EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Amount paid for land	\$110,094 35
--------------------------------	--------------

Clearing, Grading and General Work.

Engineers and expenses	\$2,593 37	
Grading: labor and materials	138 00	
Clearing grounds	49 67	
General work	2 10	
		\$2,783 14

Amounts carried forward,	\$112,877 49	\$75,178 69
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<i>Amounts brought forward,</i>	\$112,877 49	\$75,178 69
<i>Plans and Designs.</i>		
Landscape architects and expenses . .	\$465 72	
		\$113,343 21

FRANKLIN PARK.

EXPENDITURES FOR CONSTRUCTION.

Refectory Building.

Amount paid under contract . . .	\$20,300 00	
Amount paid under contract for plumbing . .	7,057 80	
Labor and materials . . .	2,168 32	
Cooking apparatus . . .	1,849 97	
Amount paid under contract for electric work .	1,275 00	
Amount paid under contract for electric fixtures,	1,272 60	
Insurance . . .	1,125 00	
Drainage: labor and materials .	1,078 88	
Hartwell, Richardson & Driver, plans and superintendence . . .	1,000 00	
Amount paid under contract for terra cotta . .	419 00	
		\$37,546 57

Clearing, Grading, Drainage and General Work.

Grading, labor and materials . . .	\$16,656 89	
General work, labor and materials . . .	7,217 97	
Engineers and expenses, .	3,766 54	
Clearing grounds, labor and materials . . .	178 00	
Drainage, labor and materials . . .	37 37	
		\$27,856 77

Roads and Walks.

Surfacing roads and walks, .	\$10,032 53	
Grading roads and walks . .	8,271 08	
		\$18,303 61

Plantations.

Labor and expenses	\$8,785 24
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Walls and Steps, Refectory Hill.

Labor and materials	\$6,424 52
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Carriage Sheds.

Amount paid under contract	\$6,000 00	
Drainage: labor and materials	109 50	
Advertising contract	93 00	
		\$6,202 50

Plans and Designs.

Landscape architects and expenses . .	\$2,406 92
---------------------------------------	------------

Park Wall and Gateways.

Landscape architects and expenses . .	\$2,406 92
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Park Wall and Gateways.

Labor and materials	\$1,104 57
-------------------------------	------------

<i>Amounts carried forward,</i>	\$108,630 70	\$188,521 90
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PARK DEPARTMENT.

7

<i>Amounts brought forward,</i>	\$108,630 70	\$188,521 90
<i>Water Supply.</i>		
Water-pipes and labor	\$1,085 87	
<i>Reservoir.</i>		
Labor and materials	\$555 37	
<i>Tools and Improvements.</i>		
Drill	\$53 82	
<i>Structures.</i>		
Emerson tablet	\$9 36	
		\$110,335 12

EXPENDITURES FOR MAINTENANCE.

COMMONWEALTH AVENUE.

Care of Grounds, Roads and Walks.

Labor and materials	\$12,407 53	
Plantations: labor and ex-		
penses	1,758 32	
Bridge	261 53	
General work	156 08	
Drainage	154 09	
Settees, signs and fence . .	116 59	
Establishing building line,	88 50	
		\$14,942 64

FENS, RIVERWAY, LEVERETT PARK, JAMAICA PARK AND ARBORWAY.

Care of Grounds, Roads, Walks and Buildings.

Roads and walks: labor and		
expenses	\$22,366 68	
Sewer assessment	4,973 59	
Plantation	3,145 22	
Skating	2,872 41	
Buildings: labor and ex-		
penses	1,793 09	
Grounds: labor and mate-		
rials	1,445 27	
General work	1,342 46	
Live stock	863 12	
Drainage	636 71	
Settees and signs	253 11	
Engineers and expenses . .	210 19	
Pumping-station: labor and		
materials	174 15	
Repairs: Stony-brook gate-		
house	83 90	
Bridges	48 62	
Repairs, covered channel,		
Muddy-river and gate-		
house	34 86	
Boating service	9 16	
		\$40,252 54

ARNOLD ABORETUM.

Care of Roads and Walks

Watchman, labor and ex-		
penses	\$3,337 48	
Drainage	57 00	
General work	22 35	
Settees	9 00	
		\$3,425 83

<i>Amounts carried forward,</i>	\$58,621.01	\$298,857 02
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Amounts brought forward, \$58,621 01 \$298,857 02

FRANKLIN PARK.

Care of Grounds, Roads, Walks and Buildings.

Roads and walks: labor and expenses	\$13,644 74		
Grounds	6,343 32		
Buildings: labor and expenses	3,579 40		
Sheep-fold	2,187 96		
Live stock	440 39		
Plantations	371 69		
Settees and signs	315 73		
Drainage	255 36		
General work	196 29		
Engineer's expenses	76 71		
		\$27,411 59	
			\$86,032 60
			<u>\$384,889 62</u>

MARINE PARK SYSTEM.

LAND, CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan for Strandway	\$37,640 33	
Amount transferred from loan for Public Parks	31,136 09	
Amount transferred from appropriation for Maintenance	6,925 64	
		<u>\$75,702 06</u>

DORCHESTERWAY.

EXPENDITURES FOR CONSTRUCTION.

Roadways, Sidewalks, Gutters and Drainage.

Roadways: labor and materials	\$9,341 37	
Gutters: labor and materials	1,686 01	
Sidewalks: labor and materials	552 75	
Drainage: labor and materials	160 01	
		\$11,740 14

Clearing, Grading, Loam and General Work.

General work: labor and materials	\$508 00	
Engineers and expenses	205 05	
Loam: labor and materials, ...	119 14	
Grading: labor and materials	72 34	
		\$904 53
		\$12,644 67

STRANDWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Expenses in trials of suits	\$50 00
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Sea-wall and Grading.

Amount paid under contract	\$22,295 30	
Advertising contract	73 51	
		\$22,368 81

Filling.

Amount paid under contract	\$7,747 50	
Advertising contract	61 50	
		\$7,809 00

Amounts carried forward, \$30,227 81 \$12,644 67

PARK DEPARTMENT.

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Amounts brought forward, \$30,227 81 \$12,644 67

Clearing, Grading, Loam and General Work.

Engineers and expenses .	\$4,510 39	
Grading: labor and materials	1,746 59	
Loam: amount paid under contract	811 72	
Borings: labor and materials	245 18	
General work: labor and materials	102 82	
Signs	7 00	
Fence	2 81	
		\$7,426 51

Plans and Designs.

Landscape architects and expenses	\$36 01	
		\$37,690 33

MARINE PARK.

EXPENDITURES FOR CONSTRUCTION.

Head House.

Electric light plant: amount paid under contract	\$2,300 50	
Laundry machinery: amount paid under contract	1,674 29	
Carpentry, painting and wire screens	1,538 64	
Insurance	1,440 00	
Building: amount paid under contract	1,000 00	
Labor and materials	945 08	
Plumbing	900 58	
Cooking range and apparatus: amount paid under contract	809 18	
Elevator: amount paid under contract	542 50	
Electric fixtures	466 37	
Electric wiring: amount paid under contract	466 34	
Stone & Webster: electric engineers	306 35	
Refrigerator	250 00	
Heating apparatus: amount paid under contract	208 00	
Furnishing	93 58	
Superintending	60 60	
Materials	21 76	
Wheelwright & Haven: architects	9 00	
		\$13,032 77
<i>Amounts carried forward,</i> \$13,032 77		\$50,335 00

Amounts brought forward, \$13,032 77

\$50,335 00

Clearing, Grading, Loam and General Work.

Grading: labor and materials .	\$913 29	
Engineers and expenses .	637 24	
Loam: labor and materials .	231 88	
General work: labor and materials .	231 36	
Signs: labor .	12 78	
		\$2,026 55

Filling.

Amount paid for filling . \$1,459 48

Boating Service.

Labor and materials . . \$918 89

Plantations.

Labor and expenses . . \$633 39

Temporary Structures.

Pier . . .	\$26 11	
Building . . .	6 50	
		\$32 61

Roadways, Gutters, Sidewalks and Drainage.

Roadways: labor and materials . . . \$28 75

Plans and Designs.

Landscape architects and expenses . . .	\$7 07	
		\$18,139 51

CASTLE ISLAND.

Clearing, Grading, Loam and General Work.

Grading: labor and materials .	\$81 50	
Engineers and expenses .	60 00	
		\$141 50

Plantations.

Labor and expenses . . \$122 01

Drainage.

Labor and materials . .	\$38 40	
		\$301 91

EXPENDITURES FOR MAINTENANCE.

Care of Grounds, Roads, Walks and Buildings.

Grounds, roads and walks: labor and expenses .	\$2,619 78	
Buildings: labor and expenses .	2,480 00	
Plantations . . .	610 67	
General work: labor and materials . . .	390 60	
Sewer assessment . .	348 19	
Castle Island Bridge . .	210 81	

Amounts carried forward, \$6,660 05 \$18,441 42 \$50,335 00

<i>Amounts brought forward,</i>	\$6,660 05	\$18,441 42	\$50,335 00
Boating service	64 61		
Settees and signs	63 00		
Pier	53 14		
Engineer's expenses	51 45		
Drainage	33 39		
		6,925 64	
			25,367 06
			\$75,702 06

CHARLESBANK.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from appropriation for Maintenance	\$12,962 24
Amount transferred from loan for Public Parks	173 20
	\$13,135 44

EXPENDITURES FOR CONSTRUCTION.

Women's Lavatory Building.

Labor and materials	\$161 70
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Plantations.

Labor and expenses	\$11 50
	\$173 20

EXPENDITURES FOR MAINTENANCE.

Care of Grounds and Buildings.

Men's gymnasium—	
Grounds and apparatus: labor and expenses	\$2,668 26
Building: labor and expenses	1,848 06
Women's gymnasium—	
Grounds and apparatus: labor and expenses	2,030 64
Building: labor and expenses	856 95
Grounds and walks: labor and expenses	1,569 87
Plantations: labor and expenses	1,511 22
Sea-wall: labor and expenses	843 14
Skating: labor and expenses	842 54
Men's Baths	398 44
General work: labor and expenses	225 78
Settees, signs and fence	100 31
Boating services	37 24
Engineer's expenses	17 48
Drainage	12 31
	12,962 24
	\$13,135 44

WOOD ISLAND PARK.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from appropriation for Maintenance	\$7,046 11
Amount transferred from loan for Public Parks	3,383 63
	\$10,429 74

EXPENDITURES FOR CONSTRUCTION.

Electric Lighting.

Lamp-posts and cable	\$1,934 23
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<i>Amount carried forward,</i>	\$1,934 23
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Amount brought forward, \$1,934 23

Playstead.

Labor and materials \$605 82

Men's Gymnasium Grounds and Apparatus.

Grounds: labor and mate-
rials \$255 93
Apparatus: labor and mate-
rials 175 62
\$431 55

Grading, Loam and General Work.

Grading: labor and mate-
rials \$118 17
General work: labor and
materials 64 95
Engineers and expenses . . 14 50
\$197 62

Roads, Walks and Drainage.

Drainage: labor and mate-
rials \$58 87
Surfacing: labor and mate-
rials 38 00
\$96 87

Plantations.

Labor and expenses 72 89

Field House.

Labor, expense and furnishing . . . 32 15

Women's Bath House.

Labor 12 50
3,383 63

EXPENDITURES FOR MAINTENANCE.

Care of Grounds, Walks and Buildings.

Grounds and apparatus: labor and expenses	\$2,933 10	
Men's Gymnasium Building: labor and expenses	2,257 95	
Skating: labor and expenses	1,078 74	
Plantations: labor and expenses	364 24	
Playstead: labor and expenses	132 36	
General work	112 97	
Women's bath house: labor and expenses	109 25	
Engineer's expenses	43 92	
Settees and signs	13 58	
		7,046 11
		<u>\$10,429 74</u>

CHARLESTOWN HEIGHTS.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan for Public Parks	\$5,104 84
Amount transferred from appropriation for Main- tenance	2,574 01
	<u>\$7,678 85</u>

EXPENDITURES FOR CONSTRUCTION.

Retaining Wall.

Amount paid under contract	\$3,962 49	
Labor and materials . . .	146 55	
Advertising contract . . .	80 29	
		\$4,189 33

Clearing and Grading Grounds, Loam and General Work.

Engineers and expenses . . .	\$327 33	
General work: labor and materials	100 77	
		\$428 10

Plantations.

Labor and expenses	\$254 39
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Flag Staff.

Labor and materials	\$165 32
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Sidewalks, Gutters and Drainage.

Drainage: labor and materials . . .	\$42 23
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Shelter Building.

Labor and materials	\$25 47	
		\$5,104 84

EXPENDITURES FOR MAINTENANCE.

Care of Grounds, Walks and Buildings.

Buildings: labor and material . . .	\$939 54	
Plantations: " " " . . .	902 35	
Grounds and walks: labor and material, . . .	577 82	
General work: " " " . . .	71 61	
Sand courts	46 83	
Signs	16 00	
Engineer's expenses	15 19	
Drainage	4 67	
		2,574 01
		\$7,678 85

CHARLESTOWN PLAYGROUND.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan for Public Parks . . .	\$1,428 90	
Amount transferred from appropriation for Maintenance	60 91	
		\$1,489 81

EXPENDITURES FOR CONSTRUCTION.

Clearing and Grading Grounds and General Work.

Grading: labor and materials . . .	\$1,292 68	
General work: labor and materials . . .	33 00	
Engineers and expenses	3 02	
		\$1,328 70

Plans and Designs.

Landscape architects and expenses	\$78 43
---	---------

Plantations.

Labor and expenses	\$21 77	
		\$1,428 90

EXPENDITURES FOR MAINTENANCE.

Care of Grounds, Walks and Buildings.

Grounds and walks: labor	\$60 91	
		\$1,489 81

DORCHESTER PARK.

CONSTRUCTION.

Amount transferred from loan for Public Parks	\$92 96
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EXPENDITURES FOR CONSTRUCTION.

Plans and Designs.

Landscape architects and expenses	\$92 96
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FRANKLIN FIELD.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from appropriation for Main- tenance	\$2,638 74	
Amount transferred from loan for Public Parks	442 09	
		\$3,080 83

EXPENDITURES FOR CONSTRUCTION.

Tools and Implements.

Lawn mower and ice tools	\$234 75
------------------------------------	----------

Plantations.

Labor and expenses	\$150 84
------------------------------	----------

Clearing, Grading, Drainage, and General Work.

Grading: labor and materials	\$36 50	
		\$442 09

EXPENDITURES FOR MAINTENANCE.

Care of Grounds, Walks, and Buildings.

Skating: labor	\$1,702 67	
Grounds and walks: labor	813 94	
Engineer's expenses	122 13	
		\$2,638 74
		\$3,080 83

PUBLIC PARK, NORTH END.

LAND AND CONSTRUCTION.

From appropriation for Public Park, North End	\$59,302 73
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EXPENDITURES FOR LAND AND CONSTRUCTION.

Land.

Amount paid for land	\$11,327 39	
Expenses in trials of suits	175 00	
		\$11,502 39

Clearing, Grading, and General Work.

Grading: amount paid under contract, ...	\$37,062 03	
Engineers and expenses	4,250 04	
Sand courts	13 00	
General work	12 30	
		\$41,337 37

Walls, Drainage and Grading — Copp's Hill Terraces.

Amount paid under contract	\$5,789 35	
Labor	401 40	
Advertising contract	69 83	
		\$6,260 58

Amount carried forward,	\$59,100 34
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PARK DEPARTMENT.

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Amounts brought forward, \$59,100 34

Sidewalks, Gutters and Drainage.

Drainage and materials	\$82 43	
Sidewalks: labor and materials	80 84	
		\$163 27

Plans and Designs.

Landscape architects and expenses		\$31 72
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Structures.

Temporary building	\$7 40	
		<u>\$59,302 73</u>

NEPONSET PLAYGROUND.

LAND ACCOUNT.

From Appropriation for Neponset Playground		\$433 84
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Expenditures.

Surveying and plans		\$433 84
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PARK DEPARTMENT.

Amount transferred from appropriation for Maintenance		<u>\$7,243 04</u>
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OFFICE EXPENSES.

Salary of Secretary and Clerk	\$3,000 00	
Clerical service at office	1,800 00	
Telephone, messenger service, and incidental ex- penses	1,133 49	
Printing annual report, etc.	860 14	
Travelling expenses	181 50	
Carriage-hire	142 25	
Stationery	122 07	
Plans	3 59	
		<u>\$7,243 04</u>

APPROPRIATION FOR MAINTENANCE.

Appropriation for the financial year 1896-97	\$110,000 00	
Amount transferred by City Auditor	10,483 29	
Amount contributed by abutters, Commonwealth avenue	5,000 00	
		<u>\$125,483 29</u>

Expenditures.

Fens, Riverway, Leverett Park, Jamaica Park, and Arborway	\$40,252 54	
Franklin Park	27,411 59	
Commonwealth avenue	14,942 64	
Charlesbank	12,962 24	
Park Department	7,243 04	
Wood Island Park	7,046 11	
Marine Park System	6,925 64	
Arnold Arboretum and Bussey Park	3,425 83	
Franklin Field	2,638 74	
Charlestown Heights	2,574 01	
Charlestown Playground	60 91	
		<u>\$125,483 29</u>

INCOME.

Receipts.

Received from rents and sale of buildings, wool, sheep, grass, and wood		<u>\$1,996 37</u>
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Payments.

Income carried to General City Income	\$1,996 37
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APPROPRIATION FOR STRANDWAY FROM MARINE PARK WEST.

Amount of appropriation authorized by City Council and approved by the Mayor, July 9, 1895, and issued in 1896	\$100,000 00
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Expenditures.

Paid on account of construction	\$37,640 33
Balance unexpended, Jan. 31, 1897	62,359 67
	<u>\$100,000 00</u>

APPROPRIATION FOR PUBLIC PARK, NORTH END.

¹ Public Park Loan, Wards 6 and 7:

Balance unexpended Jan. 31, 1896	\$37,252 64
Loan issued in July, 1896	11,300 00
Loan issued Jan. 31, 1897	100,000 00
	<u>\$148,552 64</u>

Expenditures.

Paid on account of land	\$11,502 39
Paid on account of construction	47,800 34
Balance unexpended Jan. 31, 1897	89,249 91
	<u>\$148,552 64</u>

APPROPRIATION FOR PLAYSTEAD, NORTH BRIGHTON.

Balance unexpended Jan. 31, 1897	\$3,775 37
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APPROPRIATION FOR NEPONSET PLAYGROUND.

Loan issued July 14, 1896	\$15,000 00
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Expenditures.

Paid on account of land	\$433 84
Balance unexpended Jan. 31, 1897	14,566 16
	<u>\$15,000 00</u>

APPROPRIATION FOR PUBLIC PARKS.

Balance unexpended Jan. 31, 1896	\$90,209 47
Loan issued Jan. 31, 1897	400,000 00
	<u>\$490,209 47</u>

Expenditures.

Commonwealth avenue	\$1,191 65
Fens	1,189 70
Riverway	10,825 24
Leverett Park	24,958 97
Jamaica Park	13,127 56
Arborway	13,755 59
Arnold Arboretum and Bussey Park	10,129 98
West Roxbury Parkway	113,343 21
Franklin Park	110,335 12
Dorchesterway	12,644 67

Amount carried forward,	\$311,501 69
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¹ Chapter 282, Acts of 1893, authorizes the taking of lands of an assessed value not exceeding \$300,000, and the issue of bonds to an amount necessary to pay for such lands, and a further amount not exceeding \$50,000, to be used to meet the expense of preparing said lands for public use.

<i>Amount brought forward,</i>	\$311,501 69	
Strandway	50 00	
Marine Park	18,441 42	
Charlesbank	173 20	
Wood Island Park	3,383 63	
Charlestown Heights	5,104 84	
Charlestown Playground	1,428 90	
Dorchester Park	92 96	
Franklin Field	442 09	
Balance unexpended Jan. 1, 1897	149,590 74	
	<u> </u>	\$490,209 47

II.

Summary of Expenditures on Account of Land and Construction for the Financial Year, 1896-97.

LAND.

Main Park System:		
Leverett Park	\$9,053 07	
Arborway	1,115 62	
West Roxbury Parkway	110,094 35	
Arnold Arboretum and Bussey Park	2,746 97	
	<u> </u>	\$123,010 01
Marine Park System:		
Strandway	50 00	
Public Park, North End	\$11,502 39	
Neponset Playground	433 84	
	<u> </u>	11,936 23
		<u> </u> \$134,996 24

CONSTRUCTION.

Main Park System:		
Commonwealth avenue	\$1,191 65	
Fens	1,189 70	
Riverway	10,825 24	
Leverett Park	15,905 90	
Jamaica Park	13,127 56	
Arborway	12,639 97	
Arnold Arboretum and Bussey Park	7,383 01	
West Roxbury Parkway	3,248 86	
Franklin Park	110,335 12	
	<u> </u>	\$175,847 01
Marine Park System:		
Dorchesterway	\$12,644 67	
Strandway	37,640 33	
Marine Park	18,441 42	
	<u> </u>	68,726 42
Charlesbank	\$173 20	
Wood Island Park	3,383 63	
Charlestown Heights	5,104 84	
Charlestown Playground	1,428 90	
Dorchester Park	92 96	
Franklin Field	442 09	
Public Park, North End	47,800 34	
	<u> </u>	58,425 96
		<u> </u> 302,999 39
		<u> </u> \$437,995 63

III.

*Summary of Expenditures on Account of Park Construction
from the Organization of the Board, Oct. 8, 1875, to Jan.
31, 1897.*

MAIN PARK SYSTEM.

COMMONWEALTH AVENUE.

Roadways, sidewalks, gutters, drainage, and general work	\$83,239 20	
Plantations	10,252 42	
Electric lighting	5,674 00	
Machinery, tools, etc.	884 90	
Plans and designs	22 90	
		\$100,073 42

FENS.

Filling	\$576,811 15	
Excavating, grading, loam, and general work	535,073 76	
Roadways, sidewalks, gutters, and drainage	348,726 29	
Retaining-walls, curb, and fence	118,177 77	
Boylston bridge	92,011 43	
Plantations	70,384 81	
Charlesgate bridge	65,287 67	
Agassiz bridge	52,013 50	
Stony-brook bridge	40,007 11	
Railroad bridge	39,995 04	
Fen bridge	29,427 80	
Plans, designs, and superintendence	27,224 55	
Office and general expenses	14,114 92	
Machinery, tools, etc.	13,797 11	
Electric lighting	6,887 23	
Surveying	5,472 16	
Stony-brook channel and gatehouse	1,976 28	
Water-supply, settees, and live-stock	1,417 48	
Duck-house	350 00	
Boating service	296 04	
		2,039,452 10

RIVERWAY.

Excavating, grading, loam, and general work	\$184,567 03	
Filling	104,143 90	
Roadways, sidewalks, gutters and drainage	91,525 59	
Audubon bridge	39,654 27	
Bridle-path bridge	32,929 09	
Administration building	26,534 70	
Foot-bridges and culverts	14,345 00	
Plantations	13,471 99	
Tremont-street bridge	13,273 53	
Brookline-avenue bridge	8,936 82	
Bellevue-street bridge	8,163 96	
Retaining-wall	7,568 09	
Surveys, plans, designs and superintendence	7,191 99	
Shelter	4,513 65	
Electric lighting	2,734 57	
Water-supply and settees	2,176 71	
Machinery, tools, etc.	468 75	
Boating service	181 21	
Gatehouse	58 30	
		562,439 15

LEVERETT PARK.

Excavating, clearing, grading, loam, and general work	\$183,327 11	
Roadways, sidewalks, gutters, and drainage	77,543 80	
<i>Amounts carried forward,</i>	\$260,870 91	\$2,701,964 67

PARK DEPARTMENT.

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<i>Amounts brought forward,</i>	\$260,870 91	\$2,701,964 67
Retaining-walls, steps, and culverts	35,865 01	
Plantations	27,702 56	
Leverett-pond bridge	9,850 59	
Plans and designs	7,177 24	
Foot-bridges and culverts	6,368 46	
Electric-lighting	5,278 74	
Machinery, tools, etc.	3,434 75	
Water-supply and settees	1,609 13	
Boating service	68 58	
Filling	15 75	
Iron railing	1 25	
		358,242 97

JAMAICA PARK.

Clearing and grading grounds, loam, and general work	\$54,677 05	
Roadways, sidewalks, gutters and drainage	37,566 43	
Pine Bank House	29,474 41	
Retaining-walls and steps	14,113 67	
Water-supply and settees	6,056 94	
Plantations	4,307 94	
Surveys, plans, designs, and superintendence	3,114 70	
Machinery, tools, etc.	2,460 05	
Electric lighting	1,622 50	
Iron fence	1,162 38	
Boating service	697 29	
Gatehouse	80 73	
		155,334 09

ARBORWAY.

Roadways, sidewalks, gutters, and drainage	\$89,657 19	
Clearing and grading grounds, loam, and general work	72,740 06	
Water-supply and settees	6,624 01	
Culverts	5,489 53	
Stony-brook bridge	4,503 43	
Electric lighting	3,028 00	
Filling	2,819 16	
Machinery, tools, etc.	1,968 75	
Retaining-walls	470 00	
Plantations	194 78	
Plans and designs	169 92	
		187,664 83

ARNOLD ARBORETUM AND BUSSEY PARK.

Roadways, sidewalks, gutters, and drainage	\$223,247 85	
Boundary walls and gateways	9,037 41	
Machinery, tools, etc.	2,988 73	
Grading	2,295 97	
Plans, designs, and superintendence	1,587 42	
Plantations	713 41	
Settees	129 64	
Surveying	100 00	
		240,100 43

WEST ROXBURY PARKWAY.

Clearing and grading ground, loam, and general work	\$5,386 08	
Plans, designs and superintendence	516 98	
		5,903 06

FRANKLIN PARK.

Roadways, sidewalks and gutters	\$678,915 49	
Clearing and grading grounds, drainage, and general work	473,979 10	
<i>Amounts carried forward,</i>	\$1,152,894 59	\$3,649,210 05

<i>Amounts brought forward,</i>	\$1,152,894 59	\$3,649,210 05
Plantations	114,235 51	
Refectory building	100,532 75	
Seaver-street improvement	84,817 75	
Shelter and Overlook	60,561 54	
Forest Hills bridge	52,972 17	
Scarboro' Pond	40,943 11	
Park wall and gateways	31,777 43	
Arbor, Schoolmaster's hill	29,514 11	
Reservoir	27,634 39	
Plans, designs, and superintendence	27,083 69	
Scarboro' Pond bridges	26,703 10	
Water-supply, fountains, and settees	23,804 77	
Ellicott Arch	16,732 21	
Pergola wall, steps, and terrace	16,018 30	
Ellicott House	14,922 87	
Ellicottdale	12,542 94	
Structures	11,669 00	
Machinery, tools, etc.	11,584 20	
Playstead and flag-staff	10,399 76	
Propagating-house	8,205 55	
Carriage sheds	6,202 50	
Electric lighting	5,108 75	
Terrace wall	3,956 05	
Concourse, Scarboro' Hill	3,569 80	
Culverts	3,129 34	
Carriage shelter	2,694 70	
Boating service	22 01	
		1,900,232 89

MARINE PARK SYSTEM.

DORCHESTERWAY.

Roadways, sidewalks, gutters, and drainage	\$27,742 74	
Filling	21,821 82	
Grading, loam, and general work	8,828 40	
Plans, designs, and superintendence	1,317 24	
Culverts	653 00	
Plantations	102 90	
		60,466 10

STRANDWAY.

Filling	\$28,111 36	
Sea-wall and grading	22,368 81	
Clearing, grading, loam, and general work	10,035 05	
Plans, designs, and superintendence	128 90	
Culverts	60 50	
Plantations	18 80	
		60,723 42

MARINE PARK.

Filling, grading, loam, and general work	\$558,401 49	
Iron pier and rail	175,571 99	
Head-house	110,340 95	
Pierhead	67,232 97	
Structures, temporary pier, and gas-lights	43,829 05	
Roadways, sidewalks, gutters, and drainage	37,949 27	
Plantations	6,380 08	
Bulkhead	4,996 00	
Plans, designs and superintendence	3,870 46	
Electric lighting	2,453 04	
Water-supply, settees and fence	1,988 04	
Dredging	1,114 20	
Boating service	995 71	
		1,015,123 25

Amount carried forward,

\$6,685,755 71

PARK DEPARTMENT.

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Amount brought forward,

\$6,685,755 71

CASTLE ISLAND.

Temporary buildings and structures	\$24,973 98	
Clearing, grading grounds and drainage	3,808 79	
Water-supply, settees and tent	2,002 98	
Plantations	175 17	
Shelter	100 00	
		\$31,060 92

CHARLESBANK.

Sea wall and filling	\$176,353 90	
Gymnasium grounds, apparatus, filling, loam, and general work	52,093 85	
Men's Lavatory building	23,250 53	
Women's Lavatory building and children's shelter, ...	17,689 18	
Plantations	12,135 30	
Walks and drainage	11,684 89	
Iron rail, fence and gas-lights	8,367 29	
Plans, designs and superintendence	2,076 27	
Damage	972 51	
Water-supply	831 41	
Machinery, tools, etc.	56 00	
		305,511 13

WOOD ISLAND PARK.

Grading, loam and general work	\$94,422 05	
Neptune bridge	32,320 63	
Filling	29,852 82	
Field-house	20,283 89	
Gymnasium grounds, apparatus and playstead	7,280 92	
Plantations	6,088 47	
Roads, walks, gutters and drainage	5,942 73	
Bath-house	3,117 63	
Iron fence and frame	3,039 99	
Electric lighting	2,116 23	
Water-supply	1,922 40	
Plans, designs and superintendence	1,488 03	
Culverts	425 00	
		208,300 79

CHARLESTOWN HEIGHTS.

Grading, clearing, filling, loam and general work	\$27,804 52	
Shelter building	27,240 32	
Retaining-wall	18,111 47	
Sidewalks, gutters and drainage	8,200 50	
Plantations	7,697 63	
Steps	3,971 42	
Plans, designs and superintendence	1,330 59	
Electric lighting	334 00	
Water-supply, settees, fountains and flag-staff	466 18	
		95,156 63

CHARLESTOWN PLAYGROUND.

Grading, loam and general work	\$7,835 42	
Plantations	475 60	
Plans, designs and superintendence	204 99	
Walks and drainage	8 00	
		8,524 01

DORCHESTER PARK.

Clearing and grading grounds	\$1,313 94	
Plans, designs and superintendence	793 44	
Temporary structures	774 95	
		2,882 33

Amount carried forward,

\$7,337,191 52

Amount brought forward,

\$7,337,191 52

FRANKLIN FIELD.

Clearing and grading grounds	\$28,099 76	
Drainage	25,778 77	
Plantations	10,729 21	
Fence and wall	703 95	
Machinery, tools, etc.	477 25	
Plans, designs and superintendence	176 75	
		65,965 69

NORTH END BEACH.

Clearing, grading and general work	\$50,719 24	
Plans, designs and superintendence	320 69	
Boring	167 75	
Sidewalks	90 60	
Drainage	82 43	
Temporary building	33 73	
		51,414 44

COPP'S HILL TERRACES.

Walls, drainage and grading	\$6,260 58	
Clearing, grading and general work	3,131 03	
Plans, designs and superintendence	110 83	
Sidewalks	90 58	
		9,593 02

SUNDRY ACCOUNTS.

General Account	\$73,987 50	
Park Nursery	29,947 07	
		103,934 57
		\$7,568,099 24

IV.

*Summary of Expenditures on Account of Public Park Land,
Construction, and Betterments from the Organization of the
Board, Oct. 8, 1875, to Jan. 31, 1897.*

LAND.

Main Park System:

Fens	\$596,254 49	
Riverway	452,457 53	
Leverett Park	269,104 04	
Jamaica Park	812,843 56	
Arborway	245,584 25	
Arnold Arboretum and Bussey Park	76,790 35	
West Roxbury Parkway	117,665 29	
Franklin Park	1,551,196 63	
		\$4,121,896 14

Marine Park System:

Dorchesterway	\$63,735 54	
Strandway	356,880 97	
Marine Park	232,972 57	
		653,589 08
Charlesbank	373,916 99	
Wood Island Park	132,800 00	
Charlestown Heights	50,538 02	
Charlestown Playground	172,923 31	
Dorchester Park	63,239 97	
Franklin Field	155,810 86	

Amount carried forward,

\$5,724,714 37

<i>Amount brought forward,</i>	\$5,724,714 37
North End Beach	328,184 44
Copp's Hill Terraces	90,858 19
North Brighton Playground	21,589 63
Neponset Playground	433 84
	\$6,165,780 47

CONSTRUCTION.

Main Park System:	
Commonwealth Avenue	\$100,073 42
Fens	2,039,452 10
Riverway	562,439 15
Leverett Park	358,242 97
Jamaica Park	155,334 09
Arborway	187,664 83
Arnold Arboretum and Bussey Park	240,100 43
West Roxbury Parkway	5,903 06
Franklin Park	1,900,232 89
	\$5,549,442 94
Marine Park System:	
Dorchesterway	\$60,466 10
Strandway	60,723 42
Marine Park	1,015,123 25
Castle Island	31,060 92
	1,167,373 69
Charlesbank	305,511 13
Wood Island Park	208,300 79
Charlestown Heights	95,156 63
Charlestown Playground	8,524 01
Dorchester Park	2,882 33
Franklin Field	65,965 69
North End Beach	51,414 44
Copp's Hill Terraces	9,593 02
General Account	73,987 50
Park Nursery	29,947 07
	7,568,099 24

BETTERMENTS.

Betterment expenses	13,356 10
	\$13,747,235 81

**PARK BETTERMENTS COLLECTED BY CITY COLLECTOR,
TO FEB. 1, 1897.**

	Assessm'ts committed to Collector.	Abated.	Net Assessm'ts	Collected.	Outstand- ing Feb. 1, 1897.
Public Park, Back Bay ..	\$434,600 00	\$143,126 73	\$291,473 27	\$290,404 27	\$1,069 00
Marine Park.....	23,543 00	12,616 80	10,926 20	10,926 20	
Franklin Park.....	135,029 00	122,000 66	13,028 34	13,028 34	
Parkway Old Harbor.....	60,789 00	50,426 00	10,363 00	8,256 00	2,107 00
“ Muddy River....	108,972 00	74,775 00	34,197 00	21,889 00	12,308 00
“ West Roxbury..	154,107 00	92,376 50	61,730 50	12,588 50	49,142 00
“ Dorchester	9,713 00	568 00	9,145 00	4,242 65	4,902 35
	\$926,753 00	\$495,889 69	\$430,863 31	\$361,334 96	\$69,528 35

PUBLIC PARK DEBT.*Liabilities.*

Total loan outstanding, Jan. 31, 1897 \$11,618,300 00

Resources.

Resources of Sinking Fund, Jan. 31, 1897 2,232,121 27

Net debt, Jan. 31, 1897 \$9,386,178 73

Public Parks. — Table of Appropriations.

NAME.	Date.	Special statutes.	Amount.	Object.	Amount expended.	Balance.
Park Department.....	Oct. 5, 1875	.....	Appropriation, \$5,900 00	Dept. Expenses,	\$5,409 38	Merged, \$1,490 62
"	May 1, 1876	.....	"	"	5,000 00	
Public Park, Back Bay...	July 23, 1877	.....	Loan,	Land.....	450,000 00	
Park Department.....	Dec. 24, 1877	.....	Appropriation,	Dept. Expenses	2,992 63	Merged, 7 37
Public Park, Back Bay...	Feb. 12, 1878	.....	"	Construction ..	25,000 00	
"	" 26, 1878	.....	"	Land.....	16,000 00	
Park Department.....	April 16, 1878	.....	"	Dept. Expenses,	4,300 00	Transferred to Back Bay, 1,700 00
Public Park, Back Bay...	July 3, 1878	.....	"	Construction ..	25,000 00	
Park Nursery.....	Mar. 15, 1879	.....	"	"	1,911 09	Merged, 88 91
Public Park, Back Bay...	April 29, 1879	.....	"	"	1,700 00	
Public Park, Back Bay...	" 29, 1879	.....	"	Dept. Expenses,	5,000 00	
"	" 10, 1880	.....	"	Construction ..	120,000 00	
Park Department.....	" 10, 1880	.....	"	"	214,000 00	
Park Nursery.....	" 10, 1880	.....	"	Dept. Expenses,	4,767 97	Merged, 232 03
Public Park, Back Bay...	" 6, 1881	.....	"	Construction ..	1,000 00	
Park Department.....	" 6, 1881	.....	"	"	202,000 00	
Muddy River Improvement	" 6, 1881	.....	"	Dept. Expenses,	4,950 53	Merged, 49 47
West Roxbury Park	" 6, 1881	.....	"	Construction...	4,000 00	Transferred to Arboretum, 1,000 00
(Franklin Park).....	Dec. 16, 1881	.....	Loan,	Land.....	600,000 00	
Charles River Embank-	" 24, 1881	.....	"	"	300,000 00	
ment.....	" 24, 1881	.....	"	"	200,000 00	
Muddy River Improvement	" 24, 1881	.....	"	"	300,000 00	
City Point Park (Marine	" 24, 1881	.....	"	"	100,000 00	
Park).....	" 24, 1881	.....	"	"	100,000 00	
East Boston Park (Wood	" 24, 1881	.....	"	"	50,000 00	
Island Park).....	" 28, 1881	.....	"	"	60,000 00	
Arnold Arboretum.....	April 20, 1882	.....	Appropriation, 200,000 00	Construction...	200,000 00	
Public Park, Back Bay...	" 20, 1882	.....	"	Dept. Expenses,	4,392 07	Merged, 607 93
Park Department.....	" 6, 1883	.....	"	"	5,000 00	
"	" 6, 1883	.....	"	Construction ..	100,000 00	Transferred to Arboretum, 1,000 00
Park Nursery.....	" 6, 1883	.....	"	"	15,000 00	
Public Park, Back Bay...	" 6, 1883	.....	"	"	15,000 00	
Arnold Arboretum.....	" 6, 1883	.....	"	"	15,000 00	

Table of Appropriations. — *Continued.*

NAME.	Date.	Special statutes.	Amount.	Object.	Amount expended.	Balance.
West Roxbury Park (Franklin Park).....	April 6, 1883		Appropriation, \$5,000 00	Construction ...	\$5,000 00	Transfer'd to Arboretum, \$4,000 00
Wood Island Park.....	" 6, 1883	.....	" 5,000 00	"	1,000 00	
City Point Park (Marine Park).....	" 17, 1883	.....	Loan, 120,000 00	Land.....	120,000 00	
Marine Park.....	June 21, 1883	Chap. 185, Acts 1875..	Appropriation, 3,000 00	Construction....	3,000 00	
Charles-river Embankm't, Arnold Arboretum.....	Jan. 1, 1884	Transferred from Wood-Island Park.	" 1,000 00	"	1,000 00	
"	" 1, 1884	Transf'd from Muddy River Improvement.	" 4,000 00	"	4,000 00	Transfer'd to Arboretum, 8,000 00
"	" 1, 1884	Transferred from Park Nursery.....	" 1,000 00	"	1,000 00	
W. Roxbury Park (Frank- lin Park).....	" 4, 1884	Chap. 185, Acts 1875..	Loan, 500,000 00	Land.....	500,000 00	
Public Park, Back Bay.....	April 30, 1884	.....	Appropriation, 150,000 00	Construction ...	150,000 00	
Charles-river Embankm't, Wood Island Park.....	" 30, 1884	.....	" 126,000 00	"	126,000 00	
W. Roxbury Park (Frank- lin Park).....	" 30, 1884		" 25,000 00	"	25,000 00	Transfer'd to Arboretum, 8,000 00
Marine Park.....	" 30, 1884	.....	" 24,000 00	"	16,000 00	
Arnold Arboretum.....	" 30, 1884	.....	" 24,000 00	"	24,000 00	
Park Department.....	" 30, 1884	.....	" 20,000 00	"	20,000 00	
Arnold Arboretum.....	Nov. 22, 1884	Transferred from W. Roxbury Park.....	" 5,000 00	Dept. Expenses, Construction ...	5,000 00	
Public Park, Back Bay ...	April 30, 1885		" 8,000 00	Construction ...	8,000 00	Transfer'd to Arboretum, 8,000 00
Marine Park.....	" 30, 1885	.....	" 45,000 00	"	45,000 00	
Arnold Arboretum.....	" 30, 1885	.....	" 15,000 00	"	15,000 00	
Franklin Park	" 30, 1885	.....	" 10,000 00	"	10,000 00	
Wood Island Park	" 30, 1885	.....	" 5,000 00	"	5,000 00	
Park Department.....	" 30, 1885	.....	" 5,000 00	"	5,000 00	
Park Nursery	" 30, 1885	.....	" 4,000 00	Dept. Expenses, Construction ...	5,000 00	
Franklin Park	June 29, 1885	.....	" 3,000 00	"	3,000 00	
Wood Island Park	Sept. 26, 1885	.....	" 10,000 00	"	10,000 00	
Park Nursery	Nov. 14, 1885	.....	" 2,600 00	"	2,600 00	
Charles-river Embankm't, "	" 14, 1885	.....	" 2,000 00	"	2,000 00	
"	" 20, 1885	Chap. 185, Acts 1875 .. "	Loan, 16,000 00 " 50,000 00	Land, Const. action ...	16,000 00 50,000 00	

Marine Park	14, 1885	Chap. 185, Acts 1875... Transferred from Covered Channel, Muddy River	Loan,	13,000 30	Land	12,972 57	Transfer'd to City Account, 27 43
Public Park, Back Bay ...	Dec. 28, 1885						
Park Department	May 6, 1886		Appropriation,	2,300 00	Construction ...	2,300 00	
Park Nursery	6, 1886		"	6,500 00	Dept. Expenses,	6,500 00	
Arnold Arboretum	April 24, 1886	Chap. 185, Acts 1875...	Loan,	5,000 00	Construction ...	5,000 00	
Charles river Embankm't,	June 12, 1886	"	"	4,000 00	Land	4,000 00	
	Oct. 22, 1886	"	"	16,000 00	"	15,932 71	Transfer'd to Sinking Fund, 67 29
	Jan. 4, 1887	"	"	55,000 00	"	51,886 45	Transfer'd to Sinking Fund, 113 55
Public Park Construct'n {	Feb. 10, 1887	{ Chap. 304, Acts 1886.	"	2,500,000 00	Construction ...	2,500,000 00	
Park Department	Dec. 31, 1887		Appropriation,	6,500 00	Dept. Expenses,	6,500 00	
Park Nursery	April 30, 1887		"	5,000 00	Construction ...	5,000 00	
	" 30, 1887		"				
Park Maintenance	Apr. 30, 1887		Loan,	15,000 00	Maintenance...	14,965 44	
Public Park Lands	June 4, 1887	Chap. 312, Acts 1887...	Appropriation,	400,000 00	Land	400,000 00	34 56
Park Department	" 2, 1888		"	6,500 00	Dept. Expenses,	6,500 00	
Park Nursery	" 2, 1888		"	5,000 00	Construction ...	5,000 00	
Park Maintenance	" 2, 1888		"	20,000 00	Maintenance ...	20,000 00	
Park Department	Apr. 29, 1889		"	7,500 00	Dept. Expenses,	7,500 00	
Park Nursery	" 29, 1889		"	6,000 00	Construction ...	5,969 45	
Park Maintenance	" 29, 1889		"	35,000 00	Maintenance ...	35,000 00	30 55
Public Park Lands	Feb. 11, 1890	Chap. 392, Acts 1888...	Loan,	600,000 00	Land	600,000 00	
" received from							
town of Brookline	" 11, 1890	Chap. 339, Acts 1890...	"	20,000 00	"	20,000 00	
Park Maintenance	Mar. 8, 1890	Transferred by City Auditor	"				
"	May 9, 1890		Appropriation,	2,838 52	Maintenance ...	2,836 52	
Public Parks, Charlestown.	Oct. 13, 1890	Chap. 271 and 444, Acts 1890	Loan,	56,500 00	"	56,500 00	
Franklin Park	" 17, 1890	Chap. 185, Acts 1875...	"	200,000 00	Land and Cons.,	200,000 00	
Charlesbank	Apr. 15, 1891	Transferred from sale of city property....	"	14,000 00	Land	14,000 00	
Park Maintenance	May 7, 1891		Appropriation,	2,869 02	"	2,869 02	
Public Parks	" 20, 1891	Chap. 301, Acts 1891...	Loan,	60,000 00	Maintenance ...	60,000 00	
Park Department	Jan. 30, 1892	{ Transferred from Reserved Fund by Mayor and Committee on Fi- nance.	Appropriation,	3,500,000 00	Land and Cons.,	3,500,000 00	
			"	60,000 00	Maintenance ...	60,000 00	
"	May 18, 1892			5,000 00	"	5,000 00	
"	June 9, 1892			8,000 00	"	8,000 00	
Park Department	Jan. 31, 1893	Transferred by City Auditor	"	3,626 07	"	3,626 07	

Table of Appropriations. — *Concluded.*

NAME.	Date.	Special statutes.	Amount.	Object.	Amount expended.	Balance.
Park Department.....	Feb. 10, 1893	.....	Appropriation, \$80,000 00	Maintenance...	\$80,000 00	
" ".....	Dec. 6, 1893	Transferred by City Auditor.....	20,000 00	"	20,000 00	
" ".....	Jan. 31, 1894	Transferred by City Auditor.....	6,431 80	"	6,431 80	
Public Parks, Wards 6 and 7.....	May 17, 1893	Chap. 282, Acts 1893 {	"	Land.....	408,000 00	
Playstead, No. Brighton..	July 10, 1893	.....	"	Construction.....	50,000 00	
Public Parks.....	Feb. 1, 1894	.....	"	Land.....	21,224 63	
" ".....	" 1, 1894	Transferred from Crushed Stone Appropriation for Street Improvements.....	"	Construction...	500,000 00	Balance. \$3,775 37
Park Department.....	" 12, 1894	.....	"	Street Imp'v'ts,	50,000 00	
" ".....	May 10, 1894	.....	"	Maintenance...	100,000 00	
Public Parks.....	June 8, 1894	Chap. 396, Acts 1894. Not to be issued until after Jan. 1, 1895.....	"	"	7,000 00	
Park Department.....	" 11, 1894	.....	Loan, 1,000,000 00	Land and Cons.,	1,000,000 00	
" ".....	Dec. 31, 1894	Transferred by City Auditor.....	Appropriation, 5,000 00	Maintenance...	5,000 00	
" ".....	April 1, 1895	.....	"	"	3,898 61	
Public Parks.....	July 9, 1895	.....	"	"	109,756 33	{ Transferred to Police Department, 243 67
Public Parks, Strandway	" 9, 1895	.....	"	Construction...	100,000 00	
Park Department.....	Mar. 7, 1896	.....	"	"	37,640 33	Balance,
Public Parks.....	Part issued..	.....	"	Maintenance...	110,000 00	62,359 67
Public Parks, Strandway.	Jan. 31, 1897	Chap. 453, Acts 1896...	Loan, 700,000 00	Land and Cons.,	250,409 26	
Public Parks, Wds. 6 and 7,	" 31, 1897	"	200,000 00	"	.....	449,590 74
Public Parks, Wds. 6 and 7,	July 18, 1896	"	"	"	11,007 46	200,000 00
Neponset Playground.....	" 14, 1896	Chap. 282, Acts 1893.....	Appropriation, 15,000 00	.....	11,042 63	88,992 54
North End.....	Oct. 22, 1896	.....	"	.....	433 84	257 37
			100,000 00	.....	.....	14,566 16
						100,000 00

Billings Field, West Roxbury. Freepoint street, Play-ground. Park Department.	Oct. 22, 1886 Oct. 22, 1886 Jan. 31, 1887	 Transferred by City Auditor	Appropriation, 20,000 00		Balance,	
			..... ..... .....	..... ..... .....	..... ..... .....	20,000 00 4,000 00
			10,483 29	Maintenance...	10,483 29	
Income appropriated to Maintenance by City Council order approved Dec. 18, 1883.....1883			\$15,420,445 31		\$14,438,210 08	\$982,235 23
Income appropriated to Maintenance by City Council order approved Dec. 18, 1883.....1884			1,772 28			
Income appropriated to Maintenance by City Council order approved Dec. 18, 1883.....1885			13,896 08			
Income appropriated to Maintenance by City Council orders approved Dec. 18, 1883, June 15 and Oct. 23, 1886.....1886			12,999 80			
Income appropriated to Maintenance by City Council orders approved Dec. 18, 1883, June 15 and Oct. 23, 1886.....1887			15,900 93			
Income appropriated to Maintenance by City Council orders approved Dec. 18, 1883, June 15 and Oct. 23, 1886.....1888			7,415 54			
Income appropriated to Maintenance by City Council orders approved Dec. 18, 1883, June 15 and Oct. 23, 1886.....1889			3,950 06			
Income appropriated to Maintenance by City Council orders approved Dec. 18, 1883, June 15 and Oct. 23, 1886.....1890			4,421 12			
From fund contributed by abutters on Commonwealth avenue...			6,452 97		76,808 78	
			10,000 00			
			\$15,497,254 09		\$14,515,018 86	\$982,235 23



Summary.

Appropriations for Construction	\$4,879,600 00
" " Land and Construction	5,700,000 00
" " Land	4,020,169 02
" " Maintenance, including Income	815,585 07
" " Department expenses	81,900 00
Less expenditures as above	\$15,497,254 09
	14,515,018 86
Less transfers and merged balances	\$982,235 23
	38,693 38
Balances on hand Jan. 31, 1897	\$943,541 85

Pending Contracts.

The pending contracts, with the value of the unperformed work, are as follows:—

CONTRACTOR.	Place.	Nature of Work.	Date of finishing specified in Contract.	Amount.	Unperformed.
F. A. Snow.....	Jamaica Park.....	Grading.....	July 1, 1897.....	\$5,160 00	\$5,160 00
J. J. Flynn.....	Franklin Park.....	Refectory Building.....	May 21, 1895.....	72,355 00	4,820 00
William T. Eaton.....	".....	Carriage Sheds.....	Nov. 20, 1896.....	12,423 00	6,423 00
James Doonan.....	Arnold Arboretum.....	Grading.....	July, 1, 1897.....	13,750 50	11,800 50
Thomas F. Broderick.....	".....	Wall.....	May 1, 1897.....	5,670 00	5,670 00
Gerry & Northup.....	Marine Park.....	Head House.....	May 1, 1895.....	83,111 67	111 67
McHale & Heisler.....	Charlestown Heights.....	Wall.....	Dec. 1, 1896.....	4,690 00	727 51
Perkins & White.....	Public Parks, Wards 6 and 7,	Walls, Drainage, etc.....	June 1, 1897.....	23,000 00	17,210 65
W. L. Miller.....	".....	Wall, Westerly Dock.....	May 1, 1897.....	8,243 00	8,243 00
Jones & Meehan.....	Strandway, West.....	Sea-wall and Grading.....	June 1, 1897.....	117,000 00	94,704 70
Hugh Farrell.....	".....	Grading.....	Dec. 1, 1897.....	75,200 00	67,452 50
James Dolan.....	".....	Loam.....	Jan. 9, 1897.....	1,740 00	928 28
				\$422,343 17	\$223,251 81

Park Statistics to Jan. 31, 1897.

PARKS.	Year of Taking.	COST TO DATE.		Total.	Area.	Length of Driveways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction						
MAIN PARK SYSTEM:									
Commonwealth Avenue.....	1894.....	.....	\$100,073 42	\$100,073 42	30 acres.....	2.8 miles	4.13 miles		
* Fens.....	1879.....	\$596,254 49	2,039,452 10	2,635,706 59	115 "	4.0 "	6.7 "	1.1 miles	28 acres
* † Riverway.....	1890.....	452,457 53	562,439 15	1,014,896 68	40 "	1.4 "	2.8 "	1.2 "	8 "
* † Leverett Park.....	1890 and 1892	269,104 04	358,242 97	627,347 01	60 "	1.2 "	3.4 "	0.9 mile	14 "
* Jamaica Park.....	1892.....	812,843 56	155,334 09	968,177 65	120 "	1.5 "	5.6 "	0.7 "	64.5 "
Arborway.....	1892.....	245,584 25	187,664 83	433,249 08	36 "	3.4 "	1.25 "	1.4 miles	
* Arnold Arboretum and Bussey Park.....	1882 and 1895	76,730 35	240,100 43	316,890 78	223 "	3.7 "	7.2 "	.....	0.6 acre
West Roxbury Parkway.....	1894.....	117,665 29	5,903 06	123,568 35	150 "	4.1 "			
* Franklin Park.....	1883 and 1884	1,551,196 63	1,900,232 89	3,451,429 52	527 "	10.0 "	19.1 "	2.5 "	7.4 acres
MARINE PARK SYSTEM:									
* Dorchesterway.....	1892.....	63,735 54	60,466 10	124,201 64	6 "	0.75 mlie	1.6 "		
Strandway.....	1890 and 1892	356,880 97	60,723 42	417,604 39	{ 20 " land } { 174 " flats }	1.7 miles	3.1 "		
* Marine Park.....	1883.....	232,972 57	1,013,715 84	1,246,888 41	{ 32 " land } { 235 " flats }	0.9 mile	2.6 "	.....	4.4 "
Castle Island.....	1890.....	.....	32,468 33	32,468 33	21 "	0.4 "	1.6 "		

PARK DEPARTMENT.

33

* CHARLESBANK.....	1883.....	373,916 99	305,511 13	679,428 12	10	"	.....	1.5 "
• WOOD ISLAND PARK.....	1882 and 1891	132,800 00	208,300 79	341,100 79	46 165	" land } " flats }	1.1 "	2.9 "
* CHARLESTOWN HEIGHTS.....	1891.....	50,538 02	95,156 63	145,694 65	4 6	" land } " flats }	.....	0.4 mile
* CHARLESTOWN PLAYGROUND.....	1891.....	172,923 31	8,524 01	181,447 32	14 4	" land } " flats }	.....	0.9 "
* PUBLIC PARK, NORTH END.....	1893.....	419,042 63	61,007 46	480,050 09	4 3	" land } " flats }	.....	0.43 "
* DORCHESTER PARK.....	1891.....	63,239 97	2,882 33	66,122 30	26	"	.....	
* FRANKLIN FIELD.....	1892.....	155,810 86	65,965 69	221,776 55	77	"	.....	
BILLINGS FIELD.....	1896.....	.....	.....	.....	11	"	.....	
* NORTH BRIGHTON PLAYGROUND..	1894.....	21,589 63	.....	21,589 63	14	"	.....	
NEPONSET PLAYGROUND.....	1896.....	433 84	.....	433 84	18	"	.....	
General Account.....		\$6,165,780 47	\$7,464,164 67	\$13,629,945 14				
Park Nursery.....		.....	73,987 50	73,987 50				
Betterment Expenses.....		.....	29,947 07	29,947 07				
		.....	13,356 10	13,356 10				
		\$6,165,780 47	\$7,581,455 34	\$13,747,235 81	2,191 acres	acres	36.95 miles	65.21 miles
					2,191 acres		7.8 miles	126.9 acres

* The lands in these parks have been paid for in full.
 † An additional area of 34 acres is within the limits of the town of Brookline.
 Of the above total lengths of Driveways, Walks and Rides, there have been completed to date respectively 22.4 miles, 29.9 and 6.1 miles.

PARK CONSTRUCTION.

The appropriation for public parks had so far diminished at the beginning of the last financial year that a further loan of \$1,000,000 was requested by the Board to satisfy judgments for land damages, and for carrying on the park work. This request, which was made to the Legislature, with the concurrence of the city government, resulted in the passage of chap. 453 of the Acts of 1896, which authorized further expenditures for public parks, including payments for land, to the extent of \$1,000,000, of which \$100,000 was to be expended on the public park at the North End, and \$200,000 for the completion of the Strandway; in addition to the appropriation of \$100,000 already made by the City Council for the Strandway.

Contracts were entered into for building a sea wall and grading at the Strandway from Marine Park to O street, and for filling and grading the Strandway from O street to H street. These works are now in progress.

The contract for grading North End Beach, including the building of a wall on the line of Commercial street and of sea walls and drains, which was in progress at the beginning of the year, was completed, and contracts were made for constructing Copp's Hill Terraces, and a wall on the westerly dock. Plans for the piers, administration building and bath-houses have also been prepared, and the construction of these will begin at once, so that the completion of this park, within the present year, will be assured.

In order to further carry out the original plan of a drive around Jamaica pond, a contract was made late in the season for grading the drive, walks and slopes, on the westerly side of Jamaica park, from Perkins street to Jamaicaway. The drive will follow near the shore of the pond through what was formerly the Chickering and Parkman estates; thence over the former location of the ice houses, which is now a barren waste, to the Morse estate, where it will pass at a somewhat higher elevation across the site of the former dwelling-house; thence through the Frothingham estate, close to Prince street, to its junction with the Jamaicaway drive.

The development of the land adjoining the Arborway on South street, for building purposes, made it incumbent upon the Board to construct the traffic road, from South street to the farther limit of this land, to give access to the houses which are being erected fronting the park. A contract has also been made for the construction of a wall between the



John A. H. & Son

FRANKLIN PARK, THE WILDERNESS.

Arborway and the Arnold Arboretum, it being a part of the duty of the city, under the agreement with Harvard College, to enclose the Arboretum with suitable walls or fences. This work was done agreeably to the wishes of Prof. Charles S. Sargent, director of the Arboretum, who expressed the desire that the wall should be substantial but inexpensive.

Under the indenture with Harvard College by which Peters' Hill was added to the Arboretum, the driveway, from South street to Walter street, was required to be constructed within two years. A contract was therefore made for grading this section, work under which is now in progress. The Board is considering an entrance to this part of the Arboretum from Roslindale, that this section of the city may have an entrance to the park system, and preliminary surveys have been made with this object in view. The result is contingent, to some extent, upon negotiations with land owners now in progress.

The northerly boundary of the West Roxbury Parkway, between Centre and Weld streets, requires some additional land from the adjoining estates to allow of the construction of a border road similar to the boundary roads on the other side of the parkway. As the construction of such a road would be a very great advantage to the adjoining lands, it is to be expected that the owners of these lands will meet the city in a liberal spirit of co-operation, which will enable the Board to secure the necessary lands on reasonable terms. The total additional area required is about eighteen acres.

The completion of the bridge to carry the New York, New Haven and Hartford Railroad over the Arborway at Forest Hills, which was in progress of construction throughout last year, will make it possible to grade and surface the roadways under the arches early in the coming season. The construction of the side roads of the Arborway will also be undertaken at once, with a view to completing this section of the parkway as soon as possible.

The Forest Hills entrance to Franklin Park was finished and opened to the public during the summer, and the temporary entrance through Ellicott street was closed. Considerable work had to be done in the immediate neighborhood of the Refectory to make it accessible to the public. A shelter for carriages has also been constructed at this point for the convenience of those who may wish to leave their carriages while visiting the park.

The first teeing ground of the golf links has been moved to the Abbotswood side of the park, in order that the conveniences of the Refectory and carriage-sheds may be within

easy distance of the links. The links were opened late in the fall as an experiment, with Willie Campbell as green-keeper. The tennis grounds at Ellicottdale were much frequented during the season, showing that the facilities offered by the city to lovers of this sport were much appreciated.

The use of Franklin Field for games of cricket, baseball and football, and particularly for skating, has so much increased as to make the erection of a suitable building desirable for the use of players in summer and skaters in winter. A building to serve the needs of golf players and picnickers at Abbotswood, and those using Franklin Park for recreation, being also needed, the Board had preliminary sketches submitted by three architects for the two houses. No further progress has been made, however, as the Board found that the condition of its appropriation would not allow of their construction, without seriously crippling the funds necessary to maintain the day-labor force through the financial year. These buildings, together with the sheep-fold for Franklin Park designed by the Architects' Division of the Public Buildings' Department, must await further appropriations for park construction before they can be erected. For the same reason, the boating and skating house at Jamaica pond and the proposed Administration Building and boat house at the Fens, both of which are greatly needed, must also be postponed.

The Board, recognizing the necessity of abundant drinking facilities and sanitary conveniences, is making arrangements to largely increase the number of public lavatories and drinking fountains.

The sewers in Dorchesterway having been constructed by the Street Department, between Pond street and Dorchester avenue, work was resumed during the summer on the surfacing of the driveway through this section of the Parkway, which has been nearly completed. In connection with this work, a part of the roadway, between Dorchester avenue and Buttonwood street, has been subgraded by the removal of the ledge.

The construction of St. Martin street along the westerly border of Charlestown Heights made it necessary for this department to build a retaining-wall on the line of the street. This work was done under contract, and was completed late in the season. Some grading and planting will be required to complete the work on this section of Charlestown Heights. The filling of the flats, north of the Boston and Maine Railroad, which can be undertaken when the filling of Charlestown Playground is finished, will

afford a convenient place for beach bathing, facilities for which in the peninsular are now wholly lacking.

Besides the work already mentioned, the day labor force has been occupied in completing work which was in progress at the beginning of the year, details of which may be found by reference to the City Engineer's report in the Appendix, and in the work of maintenance which requires the services of a larger number of men each year.

The Refectory at Franklin Park and the Head House at Marine Park were completed and opened to the public last June, under a tentative arrangement with James Dooling and L. E. Bow, respectively, for the first season without compensation to the city. It was not expected that the business done would warrant the payment of rent until the facilities provided were better known to the public, and the reputation of the houses established. The result of the first season's business has justified the wisdom of this arrangement, and furnished the experience necessary to perfect the terms of agreements to cover a period of five years. These agreements will provide for first-class service in all departments, under proper supervision, with a reasonable compensation to the city for the privilege based on a percentage of the gross receipts. In order to empower the Board to execute such agreements, application will be made to the Legislature for an act to authorize the leasing of land and buildings for refectory or similar purposes.

The completion of the house at Pine Bank, Jamaica Park, early last year, and the efforts of the Board to lease it for refectory purposes, brought up the question whether public opinion would permit houses for refreshment in public parks to be carried on with the same privileges regarding the supplying guests with liquid refreshments which were accorded elsewhere under the license laws. With the object of testing the matter the parties proposing to open this house and Franklin Park Refectory were given a hearing by the Board of Police, on their applications for licenses, in the chamber of the House of Representatives, State House. So much opposition was manifested at this hearing that, with the advice of this Board, the applications were withdrawn. The certainty that a satisfactory restaurant could not be successfully carried on at Pine Bank House without a license, caused the project to be abandoned, and the house to remain closed through the season.

The desirability of abandoning the location heretofore occupied at Franklin Park for temporary quarters so that the building can be removed to allow of the improvement of this

part of the park, and the need of an administration building at Jamaica Park, caused the Board to consider the question of remodelling Pine Bank House to serve the purpose of administrative headquarters; and believing that the efficiency of the administration of the department would be much increased by the consolidation of its general office with the offices of superintendence, construction and maintenance, in one building, the Board has determined to remove its present down-town office to the Pine Bank House, together with the offices now maintained at Franklin Park and on the Riverway; so that all departments may have ready access to the files and papers of other departments and thus, by association, enable the service to be carried on more economically and effectively than by distinct and widely separated offices. All departments can thus be much more readily supervised than heretofore.

The necessity for a responsible executive head of the department has gradually forced itself upon the attention of the Board, and after having given the subject careful attention, and having examined the administrative machinery of the park systems of several other American cities, the Board engaged Mr. John A. Pettigrew, who has had a wide experience as superintendent of the parks of Milwaukee Brooklyn, and Jackson Park, Chicago, as the executive manager of the entire system of this city, with full control of the engineering and landscape gardening departments. The Board thus obtains a much more efficient administration, with undivided responsibility, and also expects to make a considerable saving of the city moneys which are unavoidably wasted under divided and insufficient responsibility.

The Board again expresses its belief that the parks will not be satisfactorily administered until the appointment and control of those who enforce the rules and regulations of the Board are restored to the Board, and that a system by which the police force for the parks is appointed by, and is responsible to, another commission than the one having the charge of the parks, must always be an obstacle in the way of their good government.

ELECTRIC RAILWAY IN THE FENS.

The original plan of the Fens provided for horse car service through Boylston road. Subsequently, on the advent of electric cars, this plan was abandoned, for the reason that such a location, being partly within a side road only 30 feet in width, would be inadequate to the operation of an electric road, and because of the added danger and noise



PINE-BANK HOUSE, JAMAICA PARK.

of electric cars and the unsightliness of poles and wires. This location, therefore, being considered inadmissible, the Board, in 1891, voted to request the City Engineer to report as to the feasibility of carrying the street car tracks from the east entrance of Boylston street in the Fens across the channel and under Charlesgate West. Such a plan was submitted by Mr. Jackson, with an estimate of the cost. In 1894, at the solicitation of Mayor Matthews, a strip of land and right of way was purchased, running from Charlesgate West to Landsdown street, connecting thence with Boylston street, west of the Fens, through a new street which was to be laid out 80 feet wide to provide for street cars. The cost of the strip of land and right of way to the city was \$15,490. The Board always recognized that the rapid growth of the city would eventually demand street railway communication between the two sides of the parkway at the Back Bay Fens, and in voting to make this purchase, stated its opinion, that it would be a very great danger to human life to permit electric cars to traverse Boylston road through the Fens in the immediate neighborhood of the steam railroad.

Last year when Boylston street, west of the Fens, was rapidly approaching completion, the question of giving immediate access to the lands through which it runs was brought to the attention of the Board by those interested in the development of this section. Several conferences were held with the land owners, regarding the opening of communication between this territory and the city across the Fens. The land owners requested that a temporary location be given to the West End Road to lay tracks through Boylston road, past the John Boyle O'Reilly memorial, and over Richardson's beautiful bridge. This the Board declined to do, believing that the plan for the electric cars to pass to the north of Boylston road and under Charlesgate West was the true solution of the question; and, as the territory referred to was as yet unbuilt upon, such a route could be prepared and opened before any pressing necessity arose for the operation of the railroad.

If the street railway tracks were placed on the surface of Boylston road, as requested by the land owners, they would traverse 1,600 feet of the driveway, which in some places is only 35 feet wide, requiring at least one-half of its width, and making four grade crossings of either the main pleasure driveway or the side roads.

If, on the other hand, the car tracks were deflected at Boylston bridge and carried partly over the planted strip and walk adjoining the sloping sides of the Fens, as suggested

by the land owners, it would result in the destruction of twenty-five trees, ten of them being Lombardy poplars, more than fifteen years old, which are a characteristic feature of this part of the Fens.

Furthermore, the only pleasure walk on this side of the Fens would have to be sacrificed for the distance of a thousand feet, and no walk could be constructed to take its place without the entire destruction of the planted slopes of the Fenway for that distance and their reconstruction at great expense. The loss of this public promenade would largely destroy the value of the Fens to those who now resort to it for strolling, including many persons with children and baby carriages.

The Board believes that the use of the Fens for all purposes of pleasure would be largely curtailed, and that the whole parkway system, which has become a much thronged public resort for pleasure driving, walking and cycling, would suffer serious injury by the frequent passing of electric cars along the driveways which form its main entrance from the city; not only on account of the liability of accidents, but because the rumble of the cars, the noise of the motors, the ring of the wheels on the curved tracks and the whir of the trolley would prove to be a source of great annoyance, and also on account of the unsightly poles and wires which would be a great disfigurement of one of the chief points of interest in the park system.

No compensating advantages can be claimed for this route which would not be equally well obtained by the one which has been made available by the action of the Board already referred to.

The Board intimated that it would join with the land owners and the railway company in constructing this route, if such an arrangement could be carried out. The land owners expressed their inability to join in such a plan and stated that the West End Street Railway Company declined to become a party to such an arrangement on the ground that it was no part of its duty to pay for the construction of public ways.

The failure of the plan to secure coöperation of the land owners and railway company in the construction of this way, however, raises the question, whether the building of a road of such capacity as would provide for all heavy traffic, which in the future will follow the line of Boylston street, would not be a work which the city would be justified in assuming the cost of, in view of the great advantages which would accrue for all time in securing immunity to the

pleasure driveways from being inundated by this ever-increasing and undesirable traffic. Such a road could be laid out on the route of the proposed electric car line, thereby utilizing the land already owned by the city. Part of the expense of such a road could no doubt be assessed upon the abutting lands.

PLAYGROUNDS.

In the thirteenth annual report of the Board for the year 1887, sundry propositions, looking to the establishing of playgrounds are referred to, and in connection with the general subject the Board reported as follows: "In the late inaugural address of His Honor the Mayor, and also previously in a special message to the last City Council, attention was called to the large amount of vacant lands and other properties not used by the city, which he recommended to be sold. Reference was made to some of these lands in the 'Notes on the Plan of Franklin Park and Related Matters,' supplementary to the eleventh annual report of the Board, and a map showing their locations was published. Demands for playgrounds for the youth of the city are frequently made, which have been partially met in the past by hiring lands in different parts of the city. Might not some of these vacant properties, if found suitable and convenient for playgrounds and for open-air gymnasiums, be appropriated for such purposes, and might not others, not well situated or of insufficient area, be sold, and the proceeds applied to the purchase of more suitable lands? If this can be done, and the whole matter of playgrounds be referred to this Board for action or for examination and report, it will cheerfully undertake the duty."

Nothing came of these suggestions at that time, but now, after a lapse of ten years, with the effective aid of the Mayor, action is being taken on the lines then recommended.

This increased interest in the subject of local playgrounds has resulted in several additions to their number and bids fair to cause a still greater increase of grounds devoted to athletic sports and children's games. Plans for several of these grounds have been made, and where appropriations were available the lands required have been secured. On Dec. 14, 1896, eighteen acres of marsh land lying between Neponset avenue and the Old Colony Railroad were taken for the Neponset playground, under the appropriation passed by the City Council of 1895.

A tract of land containing eleven acres in West Roxbury, and known as Billings Field, was taken Dec. 14, 1896, for

playground purposes, under an appropriation made by the last City Council.

A small triangular piece of land at the junction of Neponset avenue and Freeport street which, although too small to serve the purposes of a playground, will secure a pleasant resting-place for passers on these thoroughfares, will be taken under the special appropriation therefor, made by the City Council.

Plans for the city lot on East First and M streets, which is in process of being converted into a playground, and for the city lot on Fellows street, which has also been set aside by the City Council for a playground, both of which are in charge of the Public Grounds Department, have been made at the request of the Mayor.

Plans for the North Brighton Playground are also being considered, which will require the taking of about two acres additional land to connect it with the Charles River Reservation of the Metropolitan Park System.

The Board has investigated the subject of playgrounds for Ward 3, Charlestown, and for the district near Washington Village, South Boston. For the Charlestown playground, it is believed that Adams Wharf on Chelsea street and Mystic river, lately occupied by the Oriental Coal Oil Company, and now vacant, is the most eligible site. It contains about two acres, enclosed by a sea wall on the river side, and is filled to a grade suitable for immediate use. For the South Boston playground, the vacant marsh lands lying between the Old Colony Railroad and the Strandway seem to furnish the most available location.

The Board trusts that the policy of establishing playgrounds in the various districts of the city, thus so well inaugurated, will be continued until the reasonable requirements of all sections are fully met, and that adequate appropriations will be made for the purpose.

The construction of these playgrounds, together with Franklin Field and Charlestown Playground in accordance with the plans, including the necessary buildings, will require an expenditure of about \$500,000. To secure other sites, and to construct similar playgrounds in other sections of the city would necessitate the expenditure of a like amount, or a total of \$1,000,000.

The Board also desires to call attention to the liberality and public spirit of a resident of Boston, Mrs. Esther P. Ahl, in the establishment and maintenance of a large indoor gymnasium at East Boston, which she now offers to give to the city, fully equipped with the best gymnastic apparatus, and



RIVERWAY — VIEW FROM LONGWOOD BRIDGE, LOOKING SOUTH.

in complete running order, on condition that the building shall always be maintained as a gymnasium or as a public bath-house. This liberal offer the Board has agreed to accept as soon as the requisite authority to maintain such an institution is granted by the Legislature. The Board hopes that this gift of Mrs. Ahl will be an incentive to others to emulate her example by giving to the public similar gymnasiums or field houses, athletic grounds and public baths in other sections of the city.

FINANCIAL CONSIDERATIONS.

The balance of the appropriation for Public Parks on Jan. 31, 1897, less unfinished contracts, amounts to \$414,878 06

From this balance must be deducted the liabilities outside of contracts, being:—

Amount payable to O. C. R.R.,
under agreement of June 22,
1894, for Arborway arches,
estimated at \$67,000 00

Estimated damages payable for
land taken for West Rox-
bury Parkway, and the
Strandway amounting to . 42,000 00

And the amount reserved under
agreement with the town of
Brookline for rebuilding
Longwood avenue bridge . 75,000 00

Or a total of 184,000 00

Leaving a balance available for new con-
tracts and day labor of \$230,878 06

or a sum not more than sufficient for the maintenance of the day labor force, employed on construction work, during the financial year, and a few minor contracts for fitting up the Pine Bank House and completing the pier and bath-houses at North End Beach.

The indenture between the City of Boston and Harvard College, with reference to Arnold Arboretum and Bussey Park, made the 22d of April, 1895, by which 68 acres of valuable land on Peters' Hill were added to the park system, provides that the city shall make and finish, fit for use, within five years, the driveways, the sites and dimensions of which

are delineated on the plan which is referred to in said indenture; and that the driveway, through the valley from Walter street to South street, shall be finished within two years. The last-mentioned driveway is in process of being subgraded, and will be ready for surfacing early in the coming summer. To complete these driveways in accordance with the agreement, will require the expenditure of about \$65,000 during the next two years.

The purchase of additional land for the West Roxbury Parkway and the construction of driveways, in order to make the frontage available for building purposes, will require an appropriation of at least \$100,000.

A further sum of \$100,000 is needed for the construction of the section of the Fens, north of Beacon street. Fifty thousand dollars could be expended to good purpose at Wood Island Park in filling and grading, preparatory to the completion of the driveway and walks.

The erection of new buildings for the use of the department and for the accommodation of the public will require the expenditure of \$285,000, as follows:—

Administration building and boat-house at the Fens	\$25,000 00
Boating and skating shelter, Jamaica Park	15,000 00
Sheep-fold and sewer, Franklin Park	15,000 00
Stable and repair shops, Franklin Park	35,000 00
Abbotswood cottage, Franklin Park	15,000 00
Schoolmaster Hill Cottage, Franklin Park	10,000 00
Field house, Franklin Field	30,000 00
Pavilion for refreshment and shelter at Castle Island	25,000 00
Pier and bath-houses, Marine Park	40,000 00
Bath-houses, administration building and shelter, Wood Island Park	25,000 00
Building and gymnasium, Charlestown Playground	50,000 00
	\$285,000 00

As has been suggested in a previous part of this report, our citizens, following the example set in other cities, can, by giving to the parks the more important of these buildings, which may bear such names as they may select, confer lasting benefit on the community, and build enduring monuments of the generosity and public spirit of the donors.



RIVERWAY — LONGWOOD BRIDGE FROM THE SOUTH.

The ordinary works of construction performed by the day labor force will require an expenditure of about \$200,000 annually, or \$400,000 in the next two years.

It is evident that if the policy of constructing the parks, which has been pursued in the past, with a view to their completion at an early day, is to be continued, that an appropriation of \$1,000,000 should be at once available, and the Board recommends that authority for a further loan of that amount be obtained from the Legislature at the next session.

The Board has had estimates prepared by the City Engineer of the cost of completing the park system, in accordance with the plans of the Landscape Architects, so far as they have been developed.

These estimates, omitting those for the Strandway, as originally planned, and providing only for sea walls at K and M streets and wharf at Q street to complete the grading of the part now under contract, are as follows:—

The Fens	\$100,000 00
Riverway	74,000 00
Leverett Park	27,000 00
Jamaica Park	86,000 00
Arborway	65,000 00
Arnold Arboretum	65,000 00
Franklin Park	575,000 00
Strandway, Marine Park to H street	70,000 00
Marine Park	634,000 00
Castle Island	283,000 00
Wood Island Park	278,000 00
North End Park	21,000 00
Charlestown Heights	2,000 00
	\$2,280,000 00

These statistics represent what has been considered desirable to be done, not including work already under contract, or the buildings referred to above, which are estimated to cost \$285,000, or the construction of the West Roxbury Parkway, the plans for which are not completed.

The plans upon which these estimates are based may be changed in some particulars which will reduce the expense, and some of the work may be postponed, but with the exceptions stated, the total represents substantially the amount required to complete the parks in accordance with the plans of the Landscape Architects already prepared.

STRANDWAY.

The construction of the Strandway on the lines planned by the Board is a work of such magnitude as to make it essential that a special appropriation should be made for the purpose, unless some other means is found for connecting Franklin Park with Marine Park by a suitable way, which will permit of the larger work being suspended for the present. The Board is of opinion that no such way can be planned which will fulfil the requirements of the Strandway so well as the carrying out of the original plan, and that, in any event, it must ultimately be constructed.

At the suggestion of the Mayor, the Street Commissioners and this Board are studying the problem of the construction of such a way on the line of Columbia street and an extension to South Boston. As this scheme cannot be carried out without further legislation, application will have to be made to the General Court for authority to construct a way which will serve the purposes of a parkway and for ordinary travel.

BICYCLE WAYS.

The demand for special bicycle ways in public parks and parkways has been under consideration by this Board, and a report from the Landscape Architects is herewith printed; the reasons therein given seeming to the Board conclusive against the establishment of such ways.

MAY 21, 1896.

Mr. E. C. HODGES, *Chairman of the Park Commission, Boston, Mass.*

DEAR SIR :— We ask that the following account of our views respecting bicycling in the parks and parkways be placed on file :

1. A rural or country park is, of course, designed to serve the greatest good of the greatest number. Such a park is, however, designed to benefit this greatest number not in all possible ways, but especially in one particular way; namely, by providing scenery in striking contrast to the ordinary scenery of city streets. The removal of large spaces from the taxable area of a city is not justifiable if the lands so removed are used for purposes which smaller or less costly spaces would serve as well or better. Large parks are not created in order to provide flower gardens, zoölogical gardens, eating-houses, race courses, foot ball fields, or any other such things or conveniences, but primarily in order that the public may have access to interesting scenery. The general landscape is of first importance. No structures, games or practices tending to injure the landscape or incommode the public in its enjoyment of the landscape ought to be permitted. To allow any such things or practices to grow up in a country park is to defeat its primary and only justifying purpose.

2. Of all the people who resort to the landscape of a park much the largest number enter on foot. This, indeed, is as it should be,

since it is really impossible to thoroughly enjoy scenery except when moving slowly, as in walking. Moreover, the most charming scenes are accessible only to walkers. It is proper, therefore, that parks should be planned with special reference to the convenience and enjoyment of foot passengers. So many people desire to drive through parks that roads are necessarily opened, but thronged roads injure parks from the point of view of people on foot and crossings of foot paths at grade are, therefore, made as few as possible, or else the grades are separated, as at Ellicott Arch in Franklin Park, and throughout Central Park, New York. For the use of the comparatively few people who wish to visit parks on horseback, bridle-paths are sometimes constructed, but such paths in parks are even more objectionable than carriage roads, unless grade crossings can be avoided entirely, as in Central Park. It is on this account that only one short stretch of bridle-path has been built in Franklin Park. The bridle-path from the Fens to the Park, along the parkway, involves comparatively few crossings, not otherwise occasioned, it injures comparatively little scenery, and it is justifiable on the ground that without this one soft path from town to country, horseback riding out of the heart of Boston would be practically impossible owing to the extreme hardness of the modern carriage roads.

3. If, as seems obvious, both carriage roads and bridle-paths are objectionable in parks, it is plain that special bicycle paths would be still more so. The bicycle is a silent steed, and one which moves much more dangerously rapidly than either the driving or the saddle horse. For bicycle paths a separation of grades would be even more necessary than for bridle-paths. A separate path would enable bicycles to traverse the park much more swiftly than is possible while they must keep to the road used by slower vehicles, but these slower carriages are already moving quite as fast as it is possible for their occupants to move and still enjoy the scenery, so that if motion is accelerated, park ground will be put to a use quite inconsistent with its main purpose. In other words, a park is a preserve of scenery, and as such it is no place for the driver's speedway, the rider's race-course or the bicyclist's scorching track. Just at present the new Boston and Brookline parkway is thronged on Sundays with carriages and bicycles, and while the fever to be seen on this particular road lasts, some difficulty will doubtless be encountered in regulating the traffic. That the use of the way ought to be better regulated than it is seems plain. Large bodies of boys running with close ranks through the midst of the strollers and the baby carriages of a foot path would not be tolerated. Speeding horses on the park roads would not be allowed. The so-called club-runs of bicyclists at high speed along the parkway ought to be likewise forbidden for similar reasons. If bicyclists are not content to limit themselves to a reasonable speed and to observe the rules of the road, they may properly be asked to ride elsewhere than on the parkway. To deprive the horseback riders of the bridle-path would inflict a death-blow upon riding, but the mileage of roads near Boston fit for bicycling is enormous, and however it may be in other cities, no hardship will be worked either by denying the petitions for separate bicycle paths or by regulating the use of the existing road of the Boston Parkway.

Respectfully submitted,

OLMSTED, OLMSTED & ELIOT.

PARK RULES.

The rules for the use and government of the public parks, pleasure grounds, parkways and boulevards, under the jurisdiction of the Board, have been revised and published in manual form.

Respectfully submitted,

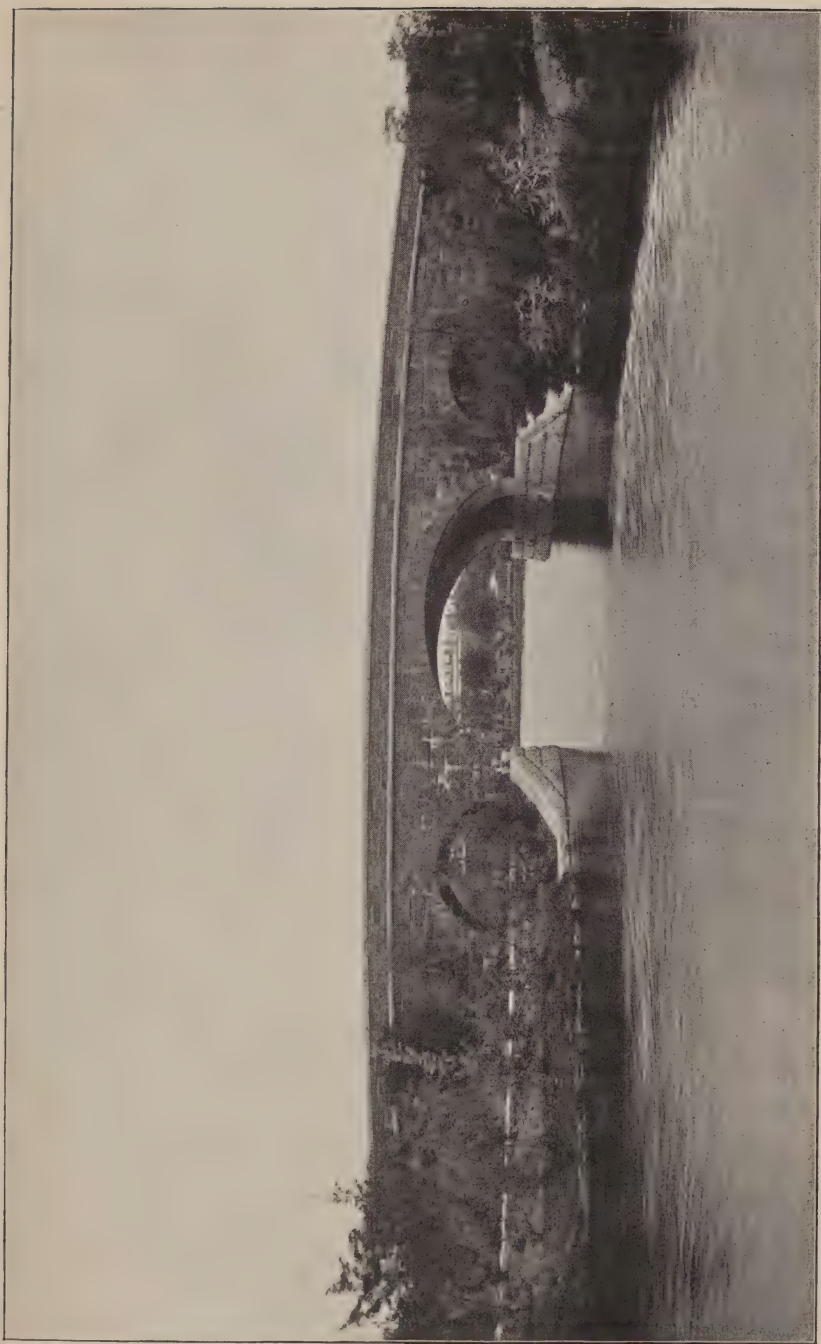
EDWARD C. HODGES,

LABAN PRATT,

CHARLES E. STRATTON,

Commissioners.

JAN. 31, 1897.



BRIDLE-PATH BRIDGE, RIVERWAY.

APPENDIX.

REPORT OF LANDSCAPE ARCHITECTS.

MR. E. C. HODGES, *Chairman of the Park Commission, Boston, Mass.:*

DEAR SIR: The following brief notes of our doings in connection with the work of the Boston Park Commission during the year 1896 are respectfully submitted:—

GENERAL PLANS.

The last complete design or “general plan” officially adopted by the Park Commission was our design for the small and peculiar pleasure grounds recently named North End Beach and Copp’s Hill Terraces.

A general plan for Dorchester Park has been prepared, but has never been formally adopted, because certain agreements with the city departments controlling adjacent lands, which ought to be joined to the park,—namely, the City Hospital and the Street Department—have not yet been entered into.

A general plan for the recently acquired West Roxbury Parkway, extending from the Arboretum to Bellevue Hill and Stony Brook Reservation, has been ordered by the Commission, and is almost completed. It cannot, however, be satisfactorily finished until certain small additional areas of land are secured at two difficult places. When these two parcels are acquired, there will be no part of the Boston Parks where “boundary roads,” affording frontage for adjacent building lands, cannot be constructed when wanted. It may be noted that the West Roxbury Parkway will presumably be the last large Boston park area for which a comprehensive design will be needed. Hereafter, or at least until the city shall take up in earnest the development of the remarkable opportunity presented by the Charles river, between Boston and Cambridge, for which only preliminary sketches have as yet been prepared, it is to be presumed that the only general designs required will be those for small local recreation grounds. We have already submitted to the Board preliminary plans for several of these local grounds, but final action upon them has been delayed, owing to the lack of sufficient appropriations. Among these may be mentioned the M-street Playground, Neponset Playground, Washington Village Playground, Fellows-street Playground, Billings Field in West

Roxbury, and, largest of all, Franklin Field. Designs for Brighton Playground and for Chelsea-street Playground will be ready shortly.

As has been the case in all recent years, the study of the details of previously submitted and adopted general plans has chiefly busied your landscape architects. (Plans, diagrams and sketches to the number of 113 have been designed by them during the year.)

In 1895 the grading plans for North End Beach, for the yacht club sites on the Strandway, for the neighborhood of the Franklin Park Refectory and carriage sheds, and the widening of Blue Hill avenue, with a number of similar works, had close attention.

During 1896, detailed construction designs have been prepared for a large part of West Roxbury Parkway; for several drives and walks in the Peters' Hill section of the Arboretum; for a drive and walks in Jamaica Park, between Prince street and the pond; for the peculiar bathing beach outside the Strandway at the foot of L street; for a heavy sea-wall to support the yacht-club sites on the Strandway; for a foot-path entrance to Franklin Park, from Blue Hill avenue at the end of Wales street; for the widening of Canterbury and Morton streets, bounding Franklin Park; for the relocation of Longwood-avenue bridge in Riverway, together with a walk and steps in connection with the bridge, and so on.

Among the most difficult details of park designs are the plans for necessary buildings. The Commission has always employed good architects, but it has been necessary that we should define for the architects the purposes to be served by the buildings, and to indicate how they may best be harmonized with the surrounding park scenery of which they must necessarily form an integral part. For this reason we usually sketch preliminary plans.

In connection with the various parks and playgrounds, we have studied preliminary sketches for the following buildings: a shelter, with toilet, etc., for golf players and picnickers at Abbotswood in Franklin Park; Refectory carriage sheds in Franklin Park (revised sketch); a large shelter and field house for the men's athletic grounds and for skaters and ball players, with administration offices and public toilet at Franklin Field; a boat storage shed in Jamaica Park; a boat storage shed in Leverett Park; a boat landing in Riverway; an administration building with public toilet and storage for boats in the basement (instead of the separate boat shed) in Back Bay Fens; an administration building, a women's bath-house, a men's bath-house and promenade piers at North End Beach; a field house for men's and women's athletic grounds, with administration offices and public toilet (revised plans) in Charlestown Playground; a waiting-room and shelter for street-car passengers at Charlestown Playground; field house for men's and women's athletic grounds, with administration offices, public shelter and toilet for skaters in M-street Playground.

Working drawings and specifications for the administration building and women's bath-house at North End Beach, based upon our sketches, have been prepared by Architect R. C. Sturgis, during the past year, and the contract awarded. It is impossible to foretell how much this small bathing beach may be frequented, but it seemed best to use only part of the space available for bathers' dressing-rooms at once. A considerable increase of accommodation can be hereafter obtained on the adjoining pier. The women's bath-house is ingeniously arranged so as to properly control the bathers, and so as to permit their passing to and from the beach without interfering with persons passing to or from the pier and boat landing. Both piers are also under contract.

The bathing establishment and Refectory at Marine Park was first opened last summer, and was much used; but the bathing beach needs to be fenced off, as originally designed.

The Refectory in Franklin Park was also opened for the first time last summer, and was much visited, especially on warm evenings. For the sake of the health of the vines which are to cover the great pergola, we were obliged to recommend a temporary flooring of plank. A brick pavement will be substituted after the vines are well started. The circular carriage shed adjacent to this building has been nearly completed.

Among the buildings which are already needed are the field house for athletes, ball players and skaters at Franklin Field; the boat storage shed at Jamaica Pond; the boating and skating shelter at Jamaica Pond; a similar shelter at Leverett Pond; an administration building in Back Bay Fens; a group of administration buildings in Franklin Park, and a large shelter on Castle Island.

Perhaps the most difficult of all the elements of a general plan to get carried out satisfactorily is such modification of existing vegetation, or such addition of new vegetation by planting, as may be required for the realization of the intended scenery. The lines and grades of roads and paths which make parks accessible can be described by drawings with all needed accuracy, but not so the more essentially scenic work in the woods and fields. This work in the Boston parks has been, and indeed must be, intrusted to responsible specialists, corresponding as to knowledge and ability with the engineers who are in charge of the constructive works: and, if satisfactory results are to be secured, it is just as essential for the foresters or gardeners to be loyal to the general plans as it is for the engineers to be. There are certain parts of the parks, especially along the borders of waters and in existing rocky woodlands, where we have designed to have unusually wild and natural effects. For the gardener to plant in such situations exotic trees and showy garden shrubs and perennials, would go far toward defeating the essential elements of our designs. The roads and paths of "country parks" are placed in certain positions so as to command certain landscapes or bits of scenery thus and so, and, conversely, the vegetation, which in this climate makes the scenery, must be controlled, encouraged or modified

accordingly. Unless planting thinning and clearing are thus done sympathetically, the courses of the roads become meaningless, and their cost is wasted.

Yours respectfully,

OLMSTED, OLMSTED & ELIOT.

Landscape Architects Advisory.

CITY ENGINEER'S REPORT.

CITY OF BOSTON, ENGINEERING DEPARTMENT,
50 CITY HALL, Jan. 30, 1897.

MR. EDWARD C. HODGES, *Chairman Board of Park Commissioners:*

DEAR SIR: I herewith submit the following report of the work done, and of the matters of interest in connection with the work placed under my direction, by your Board, the work being continued under the immediate charge of Assistant Engineer E. W. Howe.

COMMONWEALTH AVENUE.

Underground conduits for electric wires have been built by the Edison Electric Illuminating Company between Massachusetts avenue and Beacon street, and also on Charlesgate East and Charlesgate West, between Commonwealth avenue and Beacon street.

THE FENS.

The only work of construction done here during the year was the re-grading and re-surfacing the grounds and walks around the John Boyle O'Reilly monument. The area immediately around the monument has been covered with an artificial stone walk.

Two small temporary boat-landings were built, one nearly opposite Westland entrance and one at Brookline avenue.

RIVERWAY.

The yard at the Administration Building has been inclosed by a wall on the side towards the park and by a fence on the line of the railroad. The walks in the vicinity of the building have been surfaced and the plantations graded. The building was opened for the use of the public early in the season.

On Audubon road, between the railroad and Beacon street, the Street Department has built sewers on each side of the road, and the gas and water-pipes have been laid. The surfacing of the road is now in progress.

A temporary boat-landing was built near the gate house at Brookline avenue.



RIVERWAY — VIEW FROM LONGWOOD BRIDGE, LOOKING NORTH.

LEVERETT PARK.

Three hundred and forty-four linear feet of 8-inch and 958 linear feet of 18-inch drains have been built from near the junction of Bynner street with the Parkway to Leverett pond. Catch-basins at this junction were built by the owners of the abutting land.

JAMAICA PARK.

A 6-inch sewer has been built from the Pine Bank Refectory to the sewer in Jamaica way, near Perkins street, a distance of 1,050 feet.

On December 14 a contract was made with F. A. Snow for grading the drive, walks and slopes on the westerly side of the park between Perkins street and Jamaica way. This work is now in progress.

The water-pipe from the pumping-station is nearly all laid, and the boilers and pumps should be repaired so that the plant can be used.

ARBORWAY.

The drive on the traffic road has been surfaced for a distance of 1,350 feet westerly from South street.

On December 1 a contract was made with Thomas F. Broderick for building a wall on the line between the Arborway and the Arboretum. The work is not yet completed.

The bridge over the Parkway, on the line of the New York, New Haven & Hartford Railroad, is nearly finished. This is a masonry structure of five arches, and makes an angle with the railroad of 63 degrees 3 seconds. The width of the bridge at right angles to the railroad is 69 feet. The southerly arch is over Morton street, and the northerly arch is over the traffic road on the northerly side of the Parkway. Each of these arches has a span of 41 feet 2 inches. The central arch has a span of 45 feet 2 inches, and is over the Parkway drive. On each side of the central arch there is an arch of 23 feet 2 inches span, the northerly one being over the bridle path and the southerly one over the promenade. The foundations rest upon beds of concrete, varying in thickness according to the character of the ground; all other masonry is of granite. The soffits of the arches and the parapets are fine pointed; all other exposed surfaces are quarry faced. The bridge is surmounted by a parapet 6 feet high on each side of the railroad.

The bridge was built by the New York, New Haven & Hartford Railroad Company, after plans made by Messrs. Shepley, Rutan & Coolidge, architects.

The drive between Washington street and Forest Hill streets was opened to travel on August 2.

ARNOLD ARBORETUM.

A complete crusher plant has been established at the quarry on Bussey street, and the work of crushing stone for road construction and repair is now going on.

On October 5 a contract was made with James Doonan for grading the road on the northerly side of Peters' Hill, between the corner of Bussey and Walter streets and the corner of Bussey and South streets. This work will be completed early in the coming season.

WEST ROXBURY PARKWAY.

A topographical survey of the portion of the Parkway between the Arboretum and Weld street has been made during the year.

FRANKLIN PARK.

The new drive at Forest Hills entrance was finished and opened to travel on August 2. At the same time Ellicott street, the last of the old highways in the park, was closed. The walk through this entrance has been finished, and the gravel has been deposited on the ride, but some work remains to be done to complete the latter.

At the Refectory the service drive from Blue Hill avenue to the service yard of the building has been built. A deep excavation for the drive and walls 6 feet high on each side of it were necessary. Steps on the path and walls on each side of the path, leading from Blue Hill avenue to the Refectory, have been built. The wall on the line of the road from Glen lane to the Refectory has been completed; also a wall on the southerly side of Glen lane from the Refectory drive to Blue Hill avenue.

The road to the Refectory and the court in front of the building have been surfaced, and the Pergola Terrace has been covered with a temporary plank floor.

A drain was laid from the building to Blue Hill avenue, but, as at the time the sewer had not been built in that part of the avenue, a temporary drain was built from the end of the drain to the sewer at Wales street. The sewer has since been built in the avenue, and the park drain permanently connected with it. Another drain has been built from the carriage shed to the sewer in Blue Hill avenue. A 6-inch water-pipe was laid from Blue Hill avenue to the Refectory.

The grading of the grounds in this vicinity has been nearly finished. The Refectory was opened on July 4.

FRANKLIN FIELD.

No construction work has been done during the year except to repair some of the turf which had become winter-killed.

The Street Department has built a sewer on the southerly and easterly sides of the Field between the drainage ditch and the boundary line from Lyons street to Talbot avenue.

DORCHESTERWAY.

The Street Department has completed the sewers on both sides of the Parkway, between Pond street and Dorchester avenue. The Water Department is now laying its pipes in this same section.

Work was resumed in August on the surfacing of the driveway. The gutters have been paved, the catch-basins built, the Telford foundation laid, and most of it covered with crushed stone on the section between Pond street and Dorchester avenue. A large amount of rock has been excavated between Dorchester avenue and Buttonwood street.

THE STRANDWAY.

Plans and specifications were prepared, and on June 4 a contract was made with Jones & Meehan for building the sea wall and grading that portion of the Strandway between O street and Marine Park, for the sum of \$117,000. This work is now being done.

On October 19 a contract was made with Hugh Farrell for filling and grading that portion of the Strandway between I and O streets. This work will require about 160,000 cubic yards of filling which is to be furnished for 47 cents per cubic yard. Work was begun early in November, and is now in progress.

Plans have been prepared for the extension of the storm overflow sewers at I and N streets.

On December 1 a contract was made with James Dolan for removing the surplus loam from the site of the proposed playground on M, First and Second streets, and piling the same on the Strandway for future use there. The work is nearly finished.

MARINE PARK.

The new head-house was opened to the public on June 17, and the pier, which had been kept closed since the preceding winter on account of the work on the head-house, was opened on June 19.

As stated in the last annual report some of the columns supporting the iron pier had been broken by the pressure of the filling forming the beach. Measurements taken at frequent intervals having shown that the movement of the columns had practically ceased it was decided to repair them. This was done in the following manner: Two rows of four-spruce piles each were driven, one on each side of the column, on lines parallel to the direction of the pier and as near the columns as was practicable. The pile-driver was placed on the floor of the pier. Each row was capped with a 12-inch hard pine timber. Other piles were

driven, and the pier was temporarily supported on them by blocking and by clamps around the column. The column then having been cut off at the proper grade, and about $1\frac{1}{2}$ feet of the part below the cut broken away it was swung into a vertical position by jack screws. Two courses of 6-inch hard pine timber, laid close, were then placed on the caps and spiked to them, and the column lowered on to a bed of cement on the platform. Three columns were treated in this manner. The grades of the platforms vary according to the grade of the ground, but they are such that the timber can all be covered by the filling, and so no evidence of the injury be seen. The columns are $4\frac{1}{2}$ feet in diameter, of cast iron, $1\frac{1}{4}$ inches thick, and filled solid with concrete. The tops of the columns are at grade 20, and they were sunk to a depth of from 60 to 64 feet, the lower 10 feet being in stiff clay, above which there was about 28 feet of mud. The weight to be raised in moving the columns was about 40 tons. Measurements taken since the work was done show no movement.

The old Refectory building has been removed, and the site graded and loamed.

The house occupied by the sergeant in charge of Fort Independence was thoroughly repaired during the spring.

PUBLIC PARK, NORTH END.

The work done under the contract with Trumbull & Ryan, dated Nov. 4, 1895, was finished on November 2, at a cost of \$43,055.26. This work consisted of the grading of the grounds north of Commercial street, the building of catch-basins and drains, the building of a wall on the line of Commercial street, and the building of all sea walls for the approaches to the proposed promenade piers, with the exception of the wall on the westerly dock, which was omitted on account of the insufficiency of the appropriation at the time.

On January 18 of this year, a contract was made with William L. Miller for building the wall on the westerly dock. This work has been begun.

Plans and specifications have been prepared for building the promenade and bath-house piers.

On September 16 a contract was made with Perkins & White for doing all the work, except planting, required to complete the section of this park between Charter and Commercial streets. This work is to be finished on or before June 1 of this year.

WOOD ISLAND PARK.

Fourteen electric arc lamps have been set up on the gymnasium ground, and 6 on the large field. Three thousand four hundred and fifty-seven linear feet of underground conduit, carrying $5,801\frac{1}{2}$ linear feet of cable to these lamps, have been built. The work was done by the Boston Electric Light Company.

Principal items of work completed on the several Parks to January 31, 1897.

	MAIN PARK SYSTEM.					MARINE PARK SYSTEM.					Charlesbank.	Wood Island Park.	Charlestown Heights.	Franklin Field.	Public Park, North End.	Totals.
	Fane.	Riverway.	Leverett Park.	Jamaica Park.	Arboretum.	Arnold Arboretum.	Franklin Park.	Dorchester- vay.	Marine Park.	Castle Island.						
Driveways completed.....	87,000 sq. yds. 4 miles.	36,087 sq. yds. 1.3 miles.	33,790 sq. yds. 1.2 miles.	13,344 sq. yds. 0.7 mile.	29,870 sq. yds. 1.6 miles.	30,388 sq. yds. 2.1 miles.	130,304 sq. yds. 8.0 miles.	4,420 sq. yds. 0.2 mile.	17,086 sq. yds. 0.3 mile.							335,028 sq. yds. 19.6 miles.
Walks completed.....	30,000 sq. yds. 3.4 miles.	13,089 sq. yds. 1.5 miles.	17,827 sq. yds. 2.4 miles.	9,734 sq. yds. 1 mile.	1,160 sq. yds. 0.1 mile.	16,138 sq. yds. 4.3 miles.	74,226 sq. yds. 16.75 miles.	1,683 sq. yds. 0.3 mile.	5,894 sq. yds. 0.3 mile.		14,432 sq. yds. 1.5 miles.		4,041 sq. yds. 0.4 mile.			185,000 sq. yds. 25.85 miles.
Ride completed.....	14,000 sq. yds. 1.1 miles.	17,000 sq. yds. 1.2 miles.	12,000 sq. yds. 0.9 mile.	9,881 sq. yds. 0.7 mile.	17,020 sq. yds. 1.2 miles.	14,800 sq. yds. 1.05 miles.	14,440 sq. yds. 1.440 sq. yds.	2,321 sq. yds.								80,881 sq. yds. 6.15 miles.
Gutters paved.....	19,900 sq. yds. 32,081 lin. ft.	6,867 sq. yds. 1,540 lin. ft.	5,335 sq. yds. 2,028 lin. ft.	3,438 sq. yds. 2,363 lin. ft.	8,126 sq. yds. 2,363 lin. ft.	8,069 sq. yds.	35,039 sq. yds. 9,655 lin. ft.	1,440 sq. yds. 1,678 lin. ft.	2,321 sq. yds. 1,297 lin. ft.				123 lin. ft.			80,311 sq. yds. 61,211 lin. ft.
Curbstones set.....	10,026 lin. ft.						300 lin. ft.	100 lin. ft.				1,332 lin. ft.				13,368 lin. ft.
Water pipe, 12 in.....																
" 10 in.....																
" 8 in.....																
" 6 in.....																
" 4 in.....																
Boards.....																
Plank.....																
Water trough.....																
Brick drains, 4 ft.....																
" 2 ft.....																
" 2 ft. x 2 ft.....																
" 2 ft.....																
Pipe drains, 18 in.....																
" 15 in.....																
" 12 in.....																
" 10 in.....																
" 8 in.....																
" 6 in.....																
" 4 in.....																
Agricultural drains, 4 in.....																
" " 3 in.....																
" " 2 in.....																
" " 1 1/2 in.....																
Total drains.....	9,154 lin. ft.	4,543 lin. ft.	6,675 lin. ft.	3,114 lin. ft.	10,343 lin. ft.	13,246 lin. ft.	86,468 lin. ft.	819 lin. ft.	1,378 lin. ft.	96 lin. ft.	1,739 lin. ft.	9,220 lin. ft.	7,688 lin. ft.	56,181 lin. ft.	708 lin. ft.	206,357 lin. ft.
Frisson tank.....																
Manholes.....	10	2	4	11	10	2	78	1			17	10	3	7	1	156
Electric light cable.....	105	42	40	18	43	64	157	8	11		19	14	10	10	5	611
Open channel for brook.....																
Electric light cable.....	18,800 lin. ft.	7,433 lin. ft.	14,500 lin. ft.	4,330 lin. ft.	8,162 lin. ft.		13,978 lin. ft.		2,659 lin. ft.		3,841 lin. ft.			3,339 lin. ft.		75,005 lin. ft.
Electric cable.....	54	20	30	12	22		53		16		33	13	20	4		273
Bridges and culverts.....	8	6	12		2	4	5		1 iron pier	1		1				8
Boundary wall.....							3,113 lin. ft.	4,436 lin. ft.			2,928 lin. ft.		736 lin. ft.		317 lin. ft.	9,380 lin. ft.
Area of ground finished.....	100 acres.	36 acres.	43 acres.	13.2 acres.	10.6 acres.	135 acres.	34 acres.	1.5 acres.	15.5 acres.		10 acres.	5.5 acres.	3.4 acres.	42 acres.	1.4 acres.	790.1 acres.
Retaining wall.....	686 lin. ft.	676 lin. ft.	2,343 lin. ft.	1,625 lin. ft.			3,690 lin. ft.							2		9,074 lin. ft.
Shops.....																
Gate chambers.....	1	1														
Under track.....																
Fence.....	6,750 lin. ft.	90 lin. ft.	303 lin. ft.	694 lin. ft.												
Tennis courts.....							40							4		45

* Eight of these bridges are partly in Brookline.

A portion of the large field was covered with loam to provide for two baseball diamonds.

Agricultural tile drains have been laid in a portion of the gymnasium ground for the better draining of the same.

CHARLESTOWN HEIGHTS.

The only work of construction done here during the year was the building of a retaining wall on the line of St. Martin street, which was done under a contract with McHale & Heisler, dated Sept. 8, 1896. The work was completed late in the season at a cost of \$4,640. Some grading remains to be done back of this wall, and iron railings are required on a part of it, and on the walls on either side of the shelter building; this will complete the construction of that portion of this park south of Medford street.

CHARLESTOWN PLAYGROUND.

The work of filling has gone on as heretofore at no expense to the department, except for the levelling of the material. About 9 acres out of a total of 14 acres have been filled nearly to grade.

CHARLESBANK.

The face of the sea wall was repointed early in the spring, and the usual repairs made in the gymnasium.

PLAYGROUNDS.

Surveys have been made of land for Playgrounds on Neponset avenue, Dorchester; on Bellevue and Lagrange streets, West Roxbury, and of the city's lot on First, M and Second streets, South Boston.

The appended table shows the principal items of work completed to date.

Respectfully submitted,

WILLIAM JACKSON,
City Engineer.

STATUTES OF THE COMMONWEALTH RELATING TO
PUBLIC PARKS IN OR NEAR THE
CITY OF BOSTON.

[Stat. 1896. — Chap. 199]

AN ACT RELATIVE TO PARKS.

SECTION 1. Whoever violates any rule or regulation for the government or use of any public reservation, parkway or boulevard, made under authority of law by any board or officer in charge thereof, shall for each offence be punished by a fine not exceeding twenty dollars, on complaint before any court of competent jurisdiction.

SECT. 2. All acts and parts of acts inconsistent herewith are hereby repealed.

(Approved March 25, 1896.)

[Stat. 1896. — Chap. 284.]

AN ACT RELATIVE TO EXCAVATIONS, FILLINGS AND CONSTRUCTIONS
IN TIDE WATERS FOR THE PURPOSES OF THE PUBLIC PARKS OF
THE CITY OF BOSTON.

SECTION 1. All excavations, fillings and structures in the tide-waters of the Commonwealth, to be made by the city of Boston for the purposes of its public parks, and heretofore approved by the board of harbor and land commissioners, may be continued and carried out to the extent of such approval, whether the time within which they should have been completed has or has not expired.

SECT. 2. This act shall take effect upon its passage.

(Approved April 14, 1896.)

[Stat. 1896. — Chap. 313.]

AN ACT RELATIVE TO THE BUILDING LINE AND HEIGHT OF BUILD-
INGS ON PARKWAYS, BOULEVARDS AND PARKS.

SECTION 1. The board of park commissioners of a city or town may, in the manner and in accordance with and subject to the provisions of chapter four hundred and sixty-two of the acts of the year eighteen hundred and ninety-three, establish a building line, at no point more than twenty-five feet distant from any exterior line of a parkway, boulevard or public way on which a park borders; and the extreme height to which buildings may be erected upon such parkway, boulevard or public way shall be seventy feet, or such other height as the city council of a city or the inhabitants of a town may from time to time determine.

SECT. 2. Any person sustaining damage by reason of the es-

tablishment of any building line under the provisions of the preceding section shall have the same remedies for obtaining payment therefor as may at the time of the filing of a petition for such damages be prescribed by law for obtaining payment for damages sustained by any person whose land is taken in the laying out of a highway in such city or town.

SECT. 3. This act shall take effect in any city when accepted by the city council thereof, and in any town when accepted by a majority of the legal voters thereof present and voting thereon at a town meeting called for the purpose.

(Approved April 27, 1896.)

[Stat. 1896. — Chap. 411.]

AN ACT TO AUTHORIZE THE SALE OF CERTAIN LANDS TAKEN FOR
PUBLIC PARK PURPOSES IN THE CITY OF BOSTON.

SECTION 1. The board of park commissioners of the city of Boston is hereby authorized, with the approval of the mayor of said city, to sell the parcels of land situated on the northeasterly side of Seaver street, adjoining Franklin Park, in that part of said city known as Roxbury, and to apply the proceeds of the sales to the payment for other lands taken by said city for park purposes.

SECT. 2. This act shall take effect upon its passage.

(Approved May 16, 1896.)

[Stat. 1896. — Chap. 453.]

AN ACT TO AUTHORIZE THE CITY OF BOSTON TO CONTINUE THE
CONSTRUCTION OF ITS PUBLIC PARKS.

SECTION 1. The city of Boston shall continue the construction of the public parks of said city, and to pay the expenses incurred therefor, including payments for lands, the city treasurer shall from time to time as specified in requests by the board of park commissioners of said city, approved by the mayor, issue notes, bonds or scrip of said city, and the total amount so issued shall not exceed one million dollars; *provided, however*, that out of the proceeds of the notes, bonds or scrip hereby authorized to be issued the sum of two hundred thousand dollars shall be applied towards the completion of the Strandway, so-called, in South Boston, and one hundred thousand dollars for the completion of the North End Park. Said notes, bonds or scrip shall be made payable in thirty years from their date, and bear interest payable semi-annually at such rate, not exceeding four per cent per annum, and at such times as shall be fixed by said treasurer, and the indebtedness incurred under this act shall not be taken into consideration in determining the debt limit of said city.

SECT. 2. This act shall take effect upon its passage.

(Approved June 2, 1896.)

[Stat. 1896. — Chap. 465.]

AN ACT TO BETTER DEFINE THE AUTHORITY OF THE METROPOLITAN PARK COMMISSION.

SECTION 1. Whenever, by reason of a taking by the Commonwealth through its metropolitan park commission, duly concurred in according to law, an existing public street is so affected that the public rights therein might otherwise be abridged, either by being wholly or in part included within the taking, any and all exceptions and reservations made in said taking in favor of any municipality within which said street or any part thereof may lie, and of the public, and of any corporations and individuals (said taking being accompanied by a plan showing the land included therein and the street so affected) shall be valid, effectual and binding; and in order to insure to the parties from time to time concerned the full and perfect enjoyment of the uses thereby reserved said board is hereby authorized and empowered from time to time to make grants or conveyances of easements, to enter into agreements, to issue licenses, and generally to conclude arrangements to that end, all in its discretion; but no such grant, agreement, license or arrangement shall be taken or held to abrogate or abridge the control of said board over the land included in said taking except as in said exceptions and reservations provided, or the right of said board from time to time in its discretion to make rules and regulations for the government and use of any roadway, boulevard or crossway, which may at any time hereafter be laid out and maintained over said land or over any portion thereof, not inconsistent with such exceptions and reservations.

SECT. 2. Said commission is hereby authorized and empowered to transfer for care and control, including police protection, any lands or rights or easements or interest in land, although the same be a roadway or boulevard owned or controlled by it, to any city, town or county, or local board of a city or town within the metropolitan parks district, with the consent of such city, town, county or board, and upon such terms and for such period as may be mutually agreed upon, and to enter into an agreement with any such city, town or county or board for the joint care and control or police protection of said land or boulevard, and also for laying out, constructing and maintaining streets or ways into or across any such land or boulevard; and any city, town or county, or any local board within the metropolitan parks district, is hereby authorized and empowered to transfer for care and control, including police protection, any land, rights, easements or interest in land in its control, although the same be already a part of a public street owned or controlled by it, to the metropolitan park commission for such period and upon such terms as may be mutually agreed upon, and to enter into an agreement with said commission for the joint care and control, including police protection, of said land or street.

SECT. 3. Said commission is hereby authorized to join with any city, town or county in the laying out, improvement, relocation, widening, repairing, maintaining and caring for any public street, way, bridge or stream which lies along or connects any lands, roadways or boulevards, or any sewer, water pipe or other conduit in such public street, way or bridge, or in or across any park, road or boulevard, or park reservation or open space owned or controlled by it, and in the expense of such work, and for such purposes or any of them to make contribution to such city, town or county by a grant of land or rights in land, although the same be already a roadway or boulevard, or by payment of money for its portion of such expense.

SECT. 4. This act shall take effect upon its passage.

(*Approved June 4, 1896.*)

[Stat. 1896. — Chap. 466.]

AN ACT INCREASING THE AMOUNT OF MONEY TO BE PLACED AT THE DISPOSAL OF THE METROPOLITAN PARK COMMISSION FOR GENERAL PURPOSES.

SECTION 1. The metropolitan park commission, created by chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, for the purpose of carrying out the provisions of said act and of all acts in amendment thereof or in addition thereto, including chapters four hundred and eighty-three and five hundred and nine of the acts of the year eighteen hundred and ninety-four, and chapter four hundred and fifty of the acts of the year eighteen hundred and ninety-five, may expend the further sum of one million dollars in addition to all sums heretofore authorized to be expended by it; and to meet expenditures incurred under authority of this act the treasurer and receiver general shall issue a corresponding amount of scrip or certificates of indebtedness as an addition to the metropolitan parks loan, and shall add to the existing sinking fund heretofore authorized to provide for the payment of the same; said scrip or certificates of indebtedness shall be issued and additions to said sinking fund so established shall be assessed and collected in accordance with the provisions of sections nine, ten, eleven and twelve of said chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three and the provisions of chapter two hundred and eighty-three of the acts of the year eighteen hundred and ninety-five.

SECT. 2. This act shall take effect upon its passage.

(*Approved June 4, 1896.*)

[Stat. 1896. — Chap. 472.]

AN ACT INCREASING THE AMOUNT OF MONEY PLACED AT THE DISPOSAL OF THE METROPOLITAN PARK COMMISSION FOR THE CONSTRUCTION OF ROADWAYS AND BOULEVARDS.

SECTION 1. The metropolitan park commission, created by chapter four hundred and seven of the acts of the year eighteen

hundred and ninety-three, may, for the purposes of constructing roadways and boulevards under the authority of chapter two hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four and of any acts in amendment thereof or in addition thereto, expend the further sum of five hundred thousand dollars in addition to all sums hitherto authorized to be expended by it, for the purposes of constructing such roadways and boulevards; and to meet any expenditure under the authority of this act the treasurer and receiver general shall issue a corresponding amount of scrip or certificates of indebtedness or bonds as an addition to the Metropolitan Parks Loan, Series Two. The sinking fund already established by law shall also be maintained for the purpose of extinguishing scrip, certificates or bonds issued under the authority of this act. Any premium realized on the sale of said scrip or certificates or bonds shall be applied to the payment of the interest on the loan hereby authorized, as it accrues. Said scrip or certificates of indebtedness or bonds shall be issued and said sinking fund assessed and collected in accordance with the provisions of said chapter two hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four.

SECT. 2. This act shall take effect upon its passage.

(Approved June 4, 1896.)

[Stat. 1896. — Chap. 550.]

AN ACT RELATIVE TO THE METROPOLITAN PARKS AND BOULEVARDS.

SECTION 1. The metropolitan park commission shall, prior to the first day of January in the year nineteen hundred, take all the lands which it is authorized to take, and shall lay out and construct all the parks, reservations, boulevards and other works which it is authorized to lay out and to construct, and the treasurer of the Commonwealth shall pay from the proceeds of the loans authorized for the purpose of meeting the expense of taking said lands, of laying out said parks and reservations and of constructing said boulevards and other works, or from the proceeds of any of said loans, all moneys required prior to and including the first day of January in the year eighteen hundred and ninety-six to and including said first day of January in the year nineteen hundred, to meet the interest and sinking fund requirements for said loans as estimated by said treasurer and to meet the cost of maintenance and operation of said parks, reservations, boulevards and other works as annually authorized by the legislature, and to meet such amount as has heretofore been paid from the treasury of the Commonwealth for such cost.

SECT. 2. The supreme judicial court sitting in equity shall in the year nineteen hundred, and in every fifth year thereafter, on the application of said commissioners or of the attorney of either of the cities or towns in the metropolitan parks district, and after notice to each of said cities and towns, appoint three com-

missioners, neither of whom shall be a resident of either of said cities and towns, who shall, after such notice and hearing as they shall deem sufficient and in such manner as they shall deem just and equitable, determine the proportions in which each of said cities and towns shall pay money into the treasury of the Commonwealth each year for the term of five years, beginning with the first day of January in each year in which such commissioners are required to be appointed, to meet said interest, sinking fund requirements, and cost, for such year, and any deficiency in the amount previously paid in as found by said treasurer, and shall return their award into said court; *provided, however*, that the commissioners shall fix and return the proportion to be paid by the city of Boston for each year of the first of said terms at fifty per cent. Every such award when accepted by the court shall be a final and conclusive adjudication for the term, of all matters referred to the commissioners, and shall be binding upon all parties.

SECT. 3. The treasurer of the Commonwealth shall in the year nineteen hundred, and in each year thereafter, estimate, in accordance with the proportions determined as aforesaid, the several amounts required during the year beginning with the first day of January, from the cities and towns aforesaid, to meet said interest, sinking fund requirements, and cost, for such year, and deficiency, if any, and shall include the amount required from a city or town, in, and make it a part of, the sum to be paid by such city or town as its annual state tax, and the same shall be paid by the city or town into the treasury of the Commonwealth at the time required for the payment, and as a part, of its state tax; *provided, however*, that the moneys to be paid into the treasury of the Commonwealth each year, and the amount to be paid by the Commonwealth and made a part of the annual state tax levy, shall be as specified in section ten of chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, and in section eight of chapter two hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four.

SECT. 4. Sections ten, eleven and twelve of chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, sections eight, nine and ten of chapter two hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four, all acts in amendment of or in addition to said sections or either of them, and all other acts or parts of acts inconsistent with this act, are hereby repealed, and the treasurer of the Commonwealth shall not hereafter require the payment of, and no city or town shall hereafter pay, any money into the treasury of the Commonwealth under any determination or finding of any commission appointed under the provisions of said sections, or any of them.

SECT. 5. This act shall take effect upon its passage.

(Approved June 9, 1896.)

STATUTES OF THE COMMONWEALTH RELATING TO
PUBLIC PARKS IN OR NEAR THE
CITY OF BOSTON.

YEAR.	CHAPTER.	
1866.	247.	— An Act to authorize the Erection of a Sea-wall, and the filling of certain flats in Charles river, to abate a nuisance.
*1870.	283.	— An Act for the Laying out of one or more Public Parks in or near the City of Boston.
†1875.	185.	— An Act for the Laying out of Public Parks in or near the City of Boston.
1880.	144.	— An Act to authorize the connection of the Arnold Arboretum with the System of Parks of the City of Boston.
1881.	92.	— An Act in addition to an Act for the Laying out of Public Parks in or near the City of Boston. [Charles-river Embankment.]
1881.	197.	— An Act to authorize the Construction of the Charles-river promenade.
1882.	168.	— An Act to authorize the City of Boston to Issue a Public Park Loan.
1884.	226.	— An Act in relation to betterments for Locating, Laying out, and Constructing Streets, Ways, and Public Parks.
1884.	237.	— An Act in relation to assessments for Public Improvements.
1885.	299.	— An Act requiring notice of assessments of betterments to be given to the party to be charged thereby.
1885.	360.	— An Act in further addition to an Act for the Laying out of Public Parks in or near the City of Boston. [Marine Park.]
1886.	65.	— An Act extending the time for the completion of the Public Park in the City of Boston known as the Charles-river Embankment.
1886.	134.	— An Act to change a portion of the line of the Sea-wall of the Public Park in the City of Boston, known as the Charles-river Embankment.
1886.	304.	— An Act to authorize a Loan for the construction of Public Parks in or near the City of Boston.
1887.	312.	— An Act to authorize a Loan for the payment for lands heretofore acquired for Public Parks in or near the City of Boston.

* This Act was to take effect when accepted by two-thirds of the legal voters voting thereon at the State election. The vote in favor was 9,233; against, 5,916. The Act consequently was rejected.

† This Act was accepted by a majority of the legal voters voting thereon, June 9, 1875. Yeas, 3,706; Nays, 2,311.

YEAR. CHAPTER.

1887. 427. — An Act to enlarge the area for the proposed Marine Park of the City of Boston between South Boston and Castle Island.
1888. 376. — An Act to authorize the City of Boston to refund a portion of the money paid as betterments for the Marine Park in said City.
1888. 392. — An Act to enable the City of Boston, for the purpose of obtaining lands for its Public Parks, to incur indebtedness outside of the limit fixed by law.
1889. 129. — An Act relating to buildings in the Public Parks of the City of Boston.
1889. 438. — An Act to authorize the enlargement of the proposed Marine Park in the City of Boston.
1890. 271. — An Act to authorize the City of Boston to incur indebtedness outside of its debt limit, to procure and construct one or more Public Parks in the Charlestown District of the City of Boston.
1890. 339. — An Act changing the boundary between the City of Boston and the Town of Brookline.
1890. 444. — An Act to amend an Act authorizing the City of Boston to incur indebtedness outside of its debt limit to procure and construct one or more Public Parks in the Charlestown District of the City of Boston.
1891. 301. — An Act to authorize the City of Boston to incur a debt for Park purposes beyond the limit fixed by law.
1891. 344. — An Act to authorize the City of Boston to construct a Sea wall and extend the Charles-river Embankment.
1891. 390. — An Act to provide for the appointment of the Charles-river Improvement Commission.
1892. 371. — An Act to authorize the City of Boston to take Jamaica Pond and Ward's Pond for a Public Park.
1893. 126. — An Act in relation to raising the grade and changing the location of the Providence Division of the Old Colony Railroad in the City of Boston.
1893. 211. — An Act in relation to the issue of bonds and certificates for Park purposes by the City of Boston.
1893. 225. — An Act to authorize cities and towns to establish and maintain Public Playgrounds.
1893. 258. — An Act to authorize the City of Boston to refund or abate a portion of its betterments assessed for the extension of the Marine Park.
1893. 282. — An Act to provide for a Public Park in Wards 6 and 7 of the City of Boston.

YEAR. CHAPTER.

1893. 300. — An Act relative to the Laying out of Public Parks by towns and cities. [Boulevard Act.]
1893. 331. — An Act relative to leasing open spaces for Gardens and Playgrounds by cities and towns.
1893. 407. — An Act to establish a Metropolitan Park Commission.
1893. 416. — An Act relating to an Act relative to the Laying out of Public Parks by towns and cities. [Amending Stat. 1893, Chap. 300.]
1893. 435. — An Act in relation to the construction of a Sea wall and the extension of the Charles-river Embankment by the City of Boston.
1893. 475. — An Act to provide for the improvement of Charles river.
1894. 288. — An Act to authorize the Metropolitan Park Commission to construct Roadways and Boulevards.
1894. 396. — An Act to authorize the City of Boston to incur indebtedness beyond the limit fixed by law, for Park purposes.
1894. 483. — An Act to authorize the Commonwealth to acquire the location in part of the Boston, Revere Beach & Lynn Railroad, and to authorize a relocation in part of said railroad.
1894. 509. — An Act to authorize the Metropolitan Park Commission to expend a sum of money, in addition to the amounts heretofore authorized, for open spaces along or near the Charles river.
1895. 45. — An Act to authorize the Extension of the Arnold Arboretum.
1895. 185. — An Act to authorize the City of Boston to abate a Portion of the Betterments made on account of the Laying out of Jamaica Park and Arborway.
1895. 272. — An Act changing the Limits within which Land may be taken by the Metropolitan Park Commission within the City of Medford.
1895. 305. — An Act relative to the taking by the Metropolitan Park Commission of Revere Beach, so-called, in the town of Revere.
1895. 450. — An Act relative to the Metropolitan Park Commission.
1896. 199. — An Act relative to violations of regulations of Public Parks.
1896. 284. — An Act relative to excavations, fillings and constructions in tide-waters for the purposes of the Public Parks of the City of Boston.
1896. 313. — An Act relative to the Building line and height of buildings on Parkways, Boulevards and Parks.
1896. 411. — An Act to authorize the sale of certain lands taken for Public Park purposes in the City of Boston.

YEAR. CHAPTER.

1896. 453. — An Act to authorize the City of Boston to continue the construction of its Public Parks.
1896. 465. — An Act to better define the authority of the Metropolitan Park Commission.
1896. 466. — An Act increasing the amount of money to be placed at the disposal of the Metropolitan Park Commission for general purposes.
1896. 472. — An Act increasing the amount of money placed at the disposal of the Metropolitan Park Commission for the construction of Roadways and Boulevards.
1896. 550. — An Act relative to the Metropolitan Parks and Boulevards.

MEMBERS OF THE BOARD OF PARK COMMISSIONERS
OF THE CITY OF BOSTON FROM ITS ORGANIZA-
TION, WITH THEIR TERMS OF SERVICE.

- T. JEFFERSON COOLIDGE. — Appointed July 8, 1875, for the term ending April 30, 1879. Resigned Dec. 11, 1876.
- CHARLES H. DALTON. — Appointed July 8, 1875, for the term ending April 30, 1877. Reappointed in 1877, 1880, and 1883. Resigned May 11, 1885.
- WILLIAM GRAY, JR. — Appointed July 8, 1875, for the term ending April 30, 1878. Reappointed in 1878 and 1881, and served until the expiration of his term, April 30, 1884.
- CHARLES S. STORROW. — Appointed Dec. 11, 1876, in place of T. Jefferson Coolidge, resigned. Reappointed in 1879, for the term ending April 30, 1882. Resigned May 19, 1879.
- HENRY LEE. — Appointed May 19, 1879, in place of Charles S. Storrow, resigned. Reappointed in 1882, and served until the expiration of his term, April 30, 1885.
- BENJAMIN DEAN. — Appointed Feb. 24, 1885, to succeed William Gray, Jr., for the term ending April 30, 1887. Reappointed in 1887, and served until June 2, 1890.
- PATRICK MAGUIRE. — Appointed Feb. 24, 1885, to succeed Henry Lee, for the term ending April 30, 1888, and served until Feb. 20, 1889.
- JOHN F. ANDREW. — Appointed May 11, 1885, in place of Charles H. Dalton, resigned. Reappointed in 1886, and served until May 13, 1889. Appointed July 16, 1894, to succeed Paul H. Kendrick, and served until May 30, 1895.
- ISAAC FENNO. — Appointed Feb. 1, 1889, to succeed Patrick Maguire, and served until the expiration of his term, April 30, 1891.

- THOMAS L. LIVERMORE. — Appointed May 6, 1889, to succeed John F. Andrew, for the term ending April 30, 1892, and served until April 30, 1893.
- FRANCIS A. WALKER. — Appointed May 19, 1890, to succeed Benjamin Dean, for the term ending April 30, 1893. Re-appointed for the term ending April 30, 1896.
- PAUL H. KENDRICKEN. — Appointed March 30, 1891, to succeed Isaac Fenno, for the term ending April 30, 1894, and served until July 30, 1894.
- CHARLES F. SPRAGUE. — Appointed April 17, 1893, to succeed Thomas L. Livermore, for the term ending April 30, 1895. Resigned Jan. 14, 1895.
- EDWARD C. HODGES. — Appointed Jan. 14, 1895, in place of Charles F. Sprague, resigned; also for the term ending April 30, 1898.
- LABAN PRATT. — Appointed June 10, 1895, for the term ending April 30, 1897, to fill the vacancy caused by the death of John F. Andrew.
- CHARLES E. STRATTON. — Appointed April 27, 1896, to succeed Francis A. Walker, for the term ending April 30, 1899.



ANNUAL REPORT
OF THE
PRINTING DEPARTMENT
FOR THE YEAR 1896-97.

BOSTON, Feb. 15, 1897..

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

SIR: In compliance with the requirements of chapter 3, section 22, of the Revised Ordinances of 1892, and the order of the City Council of Jan. 4, 1897, the following report of the acts and doings and receipts and expenditures of the Printing Department for the financial year commencing Feb. 1, 1896, and ending Jan. 31, 1897, is respectfully submitted.

STATEMENT OF THE PRINTING APPROPRIATION.

<i>Appropriation for 1896-97</i>	\$26,000 00
Revenue from sale of stock and postals to other departments, ...	11,378 06
	<u>\$37,378 06</u>

EXPENDITURES.

Office Expenses.

Salary of superintendent	\$3,049 10	
" " assistant superintendent	471 04	
Clerk hire, messenger service, etc.	1,628 08	
Telephone service	146 30	
Messenger service (district)	19 55	
Subscription to "Boston Daily Advertiser" and binding same	13 00	
Printing—office blanks, account books, etc.	85 41	
Stationery	75 13	
Binding	2 00	
Compiling index for documents	40 00	
	—	\$5,529 61

Record Commissioners' Item.

150 copies 3d report —		
Presswork	\$23 40	
Paper stock	6 80	
Binding	24 48	
	—	\$54 68
200 copies 4th report —		
Composition and presswork	\$30 70	
Paper stock	13 95	
Binding	32 00	
	—	76 65
150 copies 6th report —		
Presswork	\$18 85	
Paper stock	6 80	
Binding	24 48	
	—	50 13
1,700 copies 26th report —		
Presswork	\$99 45	
Paper stock	131 40	
Binding 1,499 copies	239 84	
	—	1470 69
1,700 copies 27th report —		
Composition, presswork and folding	\$426 17	
Paper stock	142 20	
Binding 1,489 copies	238 24	
	—	2806 61
Resetting and electrotyping pages 45 to 284, 12th report	\$398 13	
Engraving plan of fortifications	2 90	
	—	401 03
Resetting, composition and electrotyping title to page 176, pages 249 to 284, 18th report		334 07
Colonial laws —		
Resetting and electrotyping index 1660 to 1672, pages 263 to 270, 1672 to 1686, pages 384 to 395	\$72 22	
Engraving plates (5)	25 90	
	—	98 12
600 copies Mayor's Inaugurals. Vol. II. —		
Composition, presswork and folding	\$531 50	
Paper stock	65 55	
Binding 608 copies	139 84	
	—	736 89
		3,028 87

City Documents.

Printing 600 copies, each, of 27 documents of 1895	\$267 01	
Printing 625 copies of document 1895, re- port of hearing on Municipal Lighting	43 26	
Amounts carried forward	\$310 27	\$8,558 48

¹ \$655.11 additional paid for composition, electrotyping and folding 200 copies for documents in 1895; making total cost of edition \$1,125.80.

² \$491.86 additional paid for composition and electrotyping in 1895; making total cost of edition, \$1,298.47.

PRINTING DEPARTMENT.

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<i>Amounts brought forward</i>	\$310 27	\$8,558 48
Printing 800 copies of document 1895 — Non-Resident Masters and Teachers in the public schools	99 41	
Printing 200 copies, each, of title, table of contents, and index for documents 1895	54 40	
Binding 199 sets of documents of 1895 in 4 vols. full skiver, and 1 set in full morocco,	678 44	
		\$1,142 52
Printing 600 copies, each, of 125 documents of 1896.	\$1,466 14	
Printing 800 copies of document of 1896, Monthly Statement of Treasurer	13 25	
Printing 1,000 copies, each, of 2 documents of 1896 — Annual Estimates for 1896-7, and Monthly Statement of Collector for June	164 21	
Printing 1,000 copies, each, 12 lots, of Auditor's Exhibit	828 00	
Plans and drawings for documents 1896	38 74	
		2,510 34
Printing 800 copies, each, of 32 lots, of annual reports of 1895, 400 stitched, 200 in sheet, and 200 with bastard title.	\$4,846 82	
Maps and heliotypes for annual reports 1895	100 00	
Printing 200 copies, each, titles and contents for 2 vols. of annual reports 1895.	8 57	
Binding 201 sets of annual reports of 1895 — 2 vols. each set, in skiver	361 80	
		5,317 19
Printing 3,500 copies annual report of Auditor	\$960 80	
Binding 1,500 copies Auditor's Report — 1,000 in cloth; 150 full morocco; 200 half morocco, marbled edges; 150 half morocco, sprinkled edges	690 65	
		1,651 45
1,200 copies Organization of City Government — 174 in leather, 1,026 in paper covers	\$233 66	
2,000 copies Municipal Register — 200 in sheet, 1,800 in cloth (including compiling)	1,980 24	
		2,213 90
Paper stock for annual reports and documents of 1897	720 50	
		13,555 90
Clerk of Common Council.		
Printing	\$6 70	
Stationery	39 29	
Binding records	10 50	
		56 49
Miscellaneous.		
41 lots, 100 copies each, order of business for the Board of Aldermen	\$265 80	
40 lots, 250 copies each, order of business for the Common Council	327 00	
Care and storage of stock	825 00	
Stock purchased with the appropriation for printing for use of the various departments, and credited as revenue to the printing appropriation by bills rendered to departments when consumed by same	7,152 66	
Postage stamps and postal cards, do. do.	5,400 00	
Loan circulars, envelopes, complimentary slips, etc.	105 98	
<i>Amounts carried forward</i>	\$14,076 44	\$22,170 87

<i>Amounts brought forward</i>	\$14,076 44	\$22,170 87
Stationery for members of the City Council— 166 copies pocket-book edition of Joint Rules, and diaries for same	510 00	
City Bonds	90 00	
Binding requisition books	338 40	
Teaming electrotype plates to and from the city printer	12 50	
Engraving note and letter heads, stamping envelopes, etc.	106 50	
Transcribing opening statement of counsel in Atwood vs. Peabody case	20 75	
Repairing seals, etc.	3 89	
Binding 125 Railway Location and 2 reports of Street Laying-Out Department	47 50	
		<u>15,205 98</u>
Total		\$37,376 85
Balance unexpended		1 21
		<u>\$37,378 06</u>

RECAPITULATION OF THE PRINTING APPROPRIATION.

For the twelve months beginning Feb. 1, 1896, and ending Jan. 31, 1897.

Appropriation for 1896	\$26,000 00	
Revenue from the sale of stock and postage stamps to departments	11,378 06	
		<u>\$37,378 06</u>
Expenditures per foregoing detailed statements	\$37,376 85	
Balance unexpended	1 21	
		<u>\$37,378 06</u>

The following is a statement of the expenditures for City Council — City Council Proceedings:

Newspaper reports	\$8,534 50	
Stenographic reports	5,100 00	
Indexing Proceedings	1,141 66	
Printing, binding, and paper for index	2,787 04	
		<u>\$17,563 20</u>

Tables on the following pages show the cost of printing, stock, stationery, binding, postal cards, and postage stamps supplied to the courts of the County of Suffolk, the departments of the city government, and for the other appropriations enumerated, and paid for by the same.

Printing and Stationery, 1896.

APPROPRIATIONS.										
	Printing done by contract.	Photo-Lithograph and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.	
Assessing Department.....	\$8,892 88		\$270 19	\$569 84	\$48 63	\$1,986 06	\$184 00	\$87 50	\$12,039 10	\$
Auditing Department.....	169 35		50 25	4 39	15 70	913 12	404 00		1,556 81	\$
Board of Aldermen:										
Contingent Expenses.....	308 38		34 50	4 48		124 70		81 00	553 06	
Soldiers' Relief.....	23 64		12 82	6 50		58 45	47 00		148 41	
Building Department.....	474 39		113 93	60 35	18 35	760 00	530 00		1,966 77	
City Clerk Department.....	140 21		56 05	14 53	70	2,907 44	311 00		3,547 25	
City Council Incidental Expenses.....	541 06		20 58	273 44	31 05	1 60	11 00	974 70	5,634 43	
City Messenger Department.....	376 96		53 90	144 24	6 60	787 71	381 50	17 25	1,858 41	
Clerk of Committees Department.....	242 19		52 76	14 96	9 55	385 55	232 00		986 91	
Collecting Department.....	1,029 45		266 02	115 80	107 33	684 25		38 60	2,241 45	
Contingent Expenses Common Council.....									405 50	
Election Department.....	20,187 60		279 37	2,309 21	259 86	2,661 64	231 00	373 00	26,621 13	
Election Department, Registration.....	1,356 05		57 97	298 67	40				1,713 09	
Engineering Department:										
Department Expenses.....			52 17	52 68	13 78	458 46	50 00	16 00	903 87	
Charlestown Bridge.....			14 93	5 35		12 60			39 42	
Surveying Division.....			9 97		3 70	306 18	10 00	210 60	571 73	
Fire Department.....			306 72	162 53	37 95	240 10	42 50		2,329 90	
Health Department.....			196 61	91 21	1,101 07	692 10	376 00	64 00	4,114 63	
Quarantine Station.....			3 18			2 50			24 23	
Hospital Department.....			219 65	313 29	94 53	732 38	43 50	91 27	3,425 53	
South Department.....			61 50	39 32	39 13	171 60	20 00		603 58	
Improved Sewerage.....			1 09		50	22 11			29 38	
Institutions Department:										
Department Expenses.....			27 58		6 70			22 50	235 91	
Carried forward.....	\$38,816 56	\$4,932 44	\$2,146 81	\$4,480 79	\$1,795 53	\$13,908 55	\$2,893 50	\$1,976 46	\$70,950 60	\$

Printing and Stationery, 1896. — *Continued.*

APPROPRIATIONS.									
	Printing done by contract.	Photo-Lithograph and plate print- ing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward.</i>	\$8,816 56	\$4,932 44	\$2,146 81	\$4,480 79	\$1,795 53	\$13,908 55	\$2,893 50	\$1,976 46	\$70,950 60
Institutions Department — <i>Continued:</i>									
Boston Almshouse and Hospital, Long Island.	9 31				1 90				11 21
Cell Building, Deer Island.	24 61				1 00				25 61
Charlestown Almshouse.	9 31				1 90				11 22
Deer Island House of Correction.	9 32				1 90				11 21
House of Correction, South Boston.	9 31				1 90	2 00			13 21
House of Reformation, Rainsford Island.	28 37				1 90				36 27
Insane Hospital, Austin Farm.	13 32		6 50		1 90				18 47
Insane Hospital, Pierce Farm.	9 32				1 90	3 25			11 42
Marcella-street Home.	26 31		90		1 90				27 21
Parental Home, West Roxbury.	9 31				1 90				11 21
Parental School, West Roxbury.						2 00			2 00
Pauper Expenses.		6 50		36 14		33 65	49 20		257 89
Lamp Department.	118 18		14 22			146 45	62 00		372 95
Law Department.	138 59		22 12	83	2 96	106 50	5 00	81 40	595 62
Laying Out and Construction of Highways.	11 62	389 15	1 45			603 96			2,363 64
Library Department.	1,191 54	41 45	227 48	477 21	22 00				672 00
Library Department, West End Branch.	659 46		1 11	7 03	5 00				43 78
Market.	23 63		11 15		4 25	4 75			1,285 73
Mayor.	145 20		37 19	12 35	112 00	728 39	233 10	17 50	195 17
Mount Hope Cemetery.	84 77		42 58	74	95	49 73	16 40		361 38
Overseeing of the Poor.	63 93		29 84	1 85		116 76	134 00	15 00	85 48
Wayfarers' Lodge.	72 13		9 81	3 52					991 21
Park Department:									
Department Expenses.	434 72	273 77	8 20	96 20	11 50	93 32	57 50	16 00	\$2,106 32
<i>Carried forward.</i>	\$41,918 15	\$5,643 31	\$2,559 86	\$5,116 66	\$1,972 29	\$15,739 31	\$3,450 70	\$2,106 32	\$78,566 60

Printing and Stationery, 1896.—Continued.

APPROPRIATIONS.

	Printing done by contract.	Photo-Lithograph and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward</i>	\$41,918 15	\$5,643 31	\$2,559 86	\$5,116 66	\$1,972 29	\$15,799 31	\$3,450 70	\$2,106 32	\$78,536 60
Park Department—Continued.									
Parkway.....	10 08	..	10 00	..	5 45	12 70	..	..	38 83
Public Parks.....	40 18	..	2 15	..	23 67	61 78	..	..	127 78
Charlesbank (Maintenance).....	4 40	..	..	..	..	27 00	..	..	31 40
Charlestown Heights.....	25 33	..	1 63	..	..	..	..	..	27 94
Franklin Park.....	23 90	..	7 68	..	16 35	68 01	..	..	115 94
Franklin Park (Golf Links).....	5 44	..	..	..	4 20	..	..	..	9 64
Marine Park.....	1 40	..	..	..	10 90	7 18	1 00	..	20 48
Riverway.....	1 15	..	33	..	..	13 75	..	..	15 23
Strandway.....	75 66	..	7 33	..	11 28	6 40	..	..	100 67
Wards 6 and 7.....	33 33	..	2 30	..	11 35	..	..	..	46 98
Wood Island.....	..	..	..	..	..	13 01	..	..	13 01
Police Department:									
Department Expenses.....	2,725 98	246 83	630 61	217 88	189 10	1,276 29	200 00	..	5,486 69
House of Detention.....	36 13	..	12 32	..	..	4 50	..	..	72 35
Liquor License Expenses.....	446 06	25 37	100 39	45 35	20 25	177 47	181 00	..	996 49
Police Signal System.....	363 70	..	90 94	8 28	19 00	11 75	..	..	433 67
Public Buildings Department:									
Department Expenses.....	65 50	..	34 02	41	3 93	143 19	98 00	3 75	348 80
Architect Division.....	15 30	..	3 22	1 95	1 95	58 16	40 00	..	118 63
Election Expenses.....	7 48	..	1 69	..	..	..	..	..	8 57
Electrical Construction.....	156 61	..	18 67	..	67 85	158 31	16 00	..	417 44
Faneuil Hall.....	..	..	..	..	..	1 93	..	..	1 93
Meeting House Hill—Ward Rooms.....	33 44	..	1 37	..	..	..	..	..	34 81
Public Buildings—Schools.....	46 85	..	3 72	12 60	90	99 47	78 50	..	242 04
<i>Carried forward</i>	\$46,057 27	\$5,915 51	\$3,488 23	\$5,401 18	\$2,358 55	\$7,194 21	\$4,065 20	\$2,110 07	\$87,336 52

Printing and Stationery, 1896. — *Continued.*

APPROPRIATIONS.	Printing done by contract.	Photo-Lithographing and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward.</i>	\$46,057 27	\$5,915 51	\$3,488 23	\$5,401 18	\$2,358 85	\$17,940 21	\$4,065 20	\$2,110 07	\$87,336 52
Public Buildings Department — <i>Continued.</i>									
School Houses — Improvements in.....	44 92	.....	5 05	.....	4 28	43 20	33 00	.....	130 45
Ward Rooms.....	14 65	.....	7 78	.....	88	.....	.....	31 25	47 56
Public Celebrations.....	287 47	.....	7 97	101 73	21 10	27 46	20 00	.....	465 73
Public Grounds Department.....	.....	15 00	7 00	11 60	.....	63 52	29 00	.....	126 12
Rapid Transit Commission.....	32 91	64 00	33	.....	66 45	.....	.....	.....	163 69
Registry Department.....	894 87	.....	94 57	104 11	74 77	134 96	106 70	.....	1,409 98
School Committee:									
Department Expenses.....	4,513 73	.....	.....	.....	3 45	.....	.....	.....	4,517 18
Brighton High School.....	2 50	.....	.....	.....	.....	.....	.....	.....	2 50
Grammar School-House, Harris District.....	140 30	.....	.....	.....	4 46	.....	.....	.....	144 76
" " Stoughton District.....	23 80	.....	1 28	.....	.....	.....	.....	.....	25 08
Primary " Auburn Street.....	46 13	.....	.....	.....	9 73	.....	.....	.....	48 86
" " Harvest Street.....	71 17	.....	.....	.....	4 63	.....	.....	.....	75 80
School-House, Beech Street.....	21 35	.....	.....	.....	11 85	.....	.....	.....	32 00
" Chambers and Poplar Streets.....	273 78	.....	.....	.....	5 15	.....	.....	.....	285 63
" Robinson Street.....	114 21	.....	.....	.....	2 50	.....	.....	.....	119 36
" South and Hewlett Streets.....	46 44	.....	.....	.....	4 50	.....	.....	.....	48 94
" Thetford Avenue.....	47 76	.....	.....	.....	.....	.....	.....	.....	52 26
Temporary School Account.....	9 06	.....	.....	.....	12 45	84 95	25 00	17 64	9 56
Sealing of Weights and Measures Department.....	70 96	.....	3 23	15 91	.....	20 80	1 00	.....	230 14
Sinking Funds Department.....	148 13	.....	5 34	.....	.....	.....	.....	.....	175 27
Street Department:									
Bridge Division.....	195 10	26 46	60 68	17 47	22 37	108 66	15 00	12 24	457 98
Street, " Essex Street.....	28 65	.....	2 10	.....	35	.....	.....	.....	31 10
<i>Carried forward.</i>	\$53,085 16	\$6,020 97	\$3,676 56	\$5,652 00	\$2,001 92	\$18,423 76	\$4,204 90	\$2,171 20	\$95,926 47

Printing and Stationery, 1896. — Continued.

APPROPRIATIONS.										
	Printing done by contract.	Photo-Lithograph and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Cards.	Binding.	Totals.	
<i>Brought forward.....</i>	\$53,085 16	\$6,020 97	\$3,676 56	\$5,652 00	\$3,601 92	\$18,423 76	\$4,294 90	\$2,171 20	\$35,926 47	
Street Department — Continued.										
Cambridge Bridges Division.....	23 10	.....	4 69	.....	.....	4 85	12 50	.....	45 14	
Central Office.....	42 15	15 00	24 14	10 00	2 80	257 31	65 00	28 00	444 49	
Ferry Division.....	1,136 52	22 46	64 09	6 41	32	223 93	21 50	12 24	1,487 47	
“ New Landing.....	32 37	.....	2 28	.....	45	.....	.....	.....	35 10	
Paving Division:										
Department Expenses.....	1,131 97	36 47	260 02	39 35	110 02	458 13	190 50	14 24	2,740 70	
Blue Hill and Other Avenues.....	182 30	.....	2 25	19 29	43 08	.....	.....	.....	246 32	
Laying Out and Construction of Highways.....	118 31	.....	30 97	3 15	27 93	.....	.....	.....	180 36	
Sanitary Division.....	597 80	16 22	161 06	9 85	67 13	518 98	74 00	12 24	1,457 28	
Sewer Division:										
Department Expenses.....	610 33	33 72	152 83	15 65	369 68	1,034 48	35 50	12 07	2,264 26	
Blue Hill and other Avenues.....	383 68	.....	4 63	.....	1 27	.....	.....	.....	389 58	
Laying Out and Construction of Highways.....	622 22	.....	39 13	14 95	18 63	74 87	10 00	.....	779 80	
Sewer Outlets, South Boston.....	20 10	.....	38	.....	.....	.....	.....	.....	20 48	
Stony Brook Improvement.....	185 94	.....	3 15	.....	7 83	105 88	.....	.....	302 80	
Street Cleaning Division.....	327 85	21 47	76 18	4 56	86 61	171 36	.....	12 07	700 11	
Street Watering Division.....	94 81	6 72	24 00	1 85	32	47 96	20 00	11 90	207 56	
Street Laying Out Department.....	37 69	56 00	32 73	.....	2 23	91 35	25 00	340 00	585 00	
Treasury Department.....	305 05	240 00	53 23	2 25	74 00	193 69	39 00	.....	907 22	
Water Department:										
Additional Supply of Water.....	159 25	.....	3 56	.....	.....	2 10	.....	.....	164 91	
Coelutinate Water Works.....	90 33	.....	13 04	2 78	1 00	96 54	26 00	.....	229 89	
Mystic Water Works.....	26 35	.....	1 21	2 82	.....	32 92	14 00	.....	76 80	
Water.....	2,161 53	41 00	347 20	201 69	130 19	677 32	159 00	41 25	3,739 18	
<i>Carried forward.....</i>	\$61,375 02	\$6,510 03	\$4,977 33	\$5,986 19	\$3,545 41	\$22,915 43	\$4,986 90	\$2,655 21	\$119,951 52	

STOCK ACCOUNT.

Value of stock on hand December 10, 1895	\$1,027 90
purchased during the year	14,947 58
	<u>\$15,975 48</u>
Value of stock consumed by the different departments during the year	\$12,362 30
Value of stock consumed on Documents, etc.	1,111 69
on hand December 10, 1896	2,501 49
	<u>\$15,975 48</u>

POSTAL CASH ACCOUNT.

Amount of drafts drawn during the year	\$5,400 00
Value of postage stamps purchased during the year	\$5,222 75
Value of postal cards purchased during the year, ...	177 25
	<u>\$5,400 00</u>

POSTAL PURCHASE AND SALE ACCOUNT.

Value of postage stamps and postal cards brought forward from 1895	\$679 85
Value of postage stamps and postal cards purchased during the year	5,400 00
	<u>\$6,079 85</u>
Value of postage stamps and postal cards sold to the different departments	\$5,360 50
Value of postage stamps and postal cards on hand Jan. 1, 1897	719 35
	<u>\$6,079 85</u>

RECAPITULATION.

Printing, binding, stock, stationery, postal cards, and postage stamps supplied to the various departments, as shown in tables, and paid for out of their appropriations	\$131,998 10
City Council Proceedings	17,563 20
Expenditures of the Printing Department, including office expenses	37,376 85
	<u>\$186,938 15</u>

The extra publications issued during the year were as follows: 1,000 copies, each, Memorials of Alexander H. Rice and Frederick Douglass; 2,000 copies Memorial of David Farragut, 1,000 copies of Walker's Map of the city of Boston, showing new ward lines, 1,000 copies of Bunker Hill Memorial; 1,700 copies, each, 26th and 27th Report of the Record Commissioners, and 600 Mayors' Inaugurals, Vol. II. The cost of the first four was defrayed by the appropriation for the City Council Incidental Expenses; the cost of the Bunker Hill Memorial by the appropriation for the Registry Department, and the other works were paid for out of the appropriation for the Printing Department.

THOMAS A. WHALEN,

Superintendent of Printing.



ANNUAL REPORT
OF THE
PUBLIC BUILDINGS DEPARTMENT
FOR THE YEAR 1896.

OFFICE OF THE SUPERINTENDENT OF PUBLIC BUILDINGS,
OLD COURT HOUSE, ROOM 30,

BOSTON, February 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston :

SIR: In compliance with the ordinance relating to the Public Buildings Department, I have the honor to submit the following, which is the annual report of the Superintendent of Public Buildings :

The public buildings in charge of this department, belonging to the city of Boston, number 127, together with 3 leased buildings and 40 rooms in different buildings, variously occupied for city purposes. The City Hall is occupied entirely by the various departments and offices of the city.

The Fire Department requires for its service the use of 63 buildings, occupied as follows :

41 Engine-houses.	8 Ladder-truck houses.
6 Chemical-engine houses.	1 Repair-shop.
2 Combination wagon-houses.	3 Fuel-houses.
1 Hose-house.	1 Headquarters.

The buildings in use wholly by the Police Department number 15; 12 of which are in use for police station-houses, and the remainder for lock-ups; the remaining police stations, which number 4, are in other city buildings.

This department also has charge of the City Hall (Charlestown District), Faneuil Hall and Faneuil-Hall Market house, Charity Bureau, Old State House, and stables of the Department of Sanitary Police.

Estates numbered 37 Pemberton square, 12 and 14 Beacon street, rooms in Exchange building, State street, Tremont building, and Historical building, were occupied for city offices.

The amount expended the past year for rents and taxes for outside property has been \$25,378.07.

The public buildings occupy 1,317,834 square feet of land.

The school-houses owned by the city number 194, occupying 3,841,868 square feet of land.

In addition, 31 buildings were leased for school purposes, at a rental of \$22,285.19, and contained 65 school-rooms.

The Court House and County Jail are used for county purposes alone.

The Municipal District Courts number seven, and occupy rooms in city buildings in various sections of the city.

The county buildings cover 232,165 square feet of land.

The expenditures for repairs, alterations, improvements, heating, furnishing, care, and cleaning, have been as follows:

Public buildings:

Public buildings	\$146,547 37	
Electrical Construction Division (8 months)	15,610 02	
Armories	19,853 60	
Architect's Division	9,161 08	
Ward rooms	6,110 13	
		\$197,282 20
County buildings	15,457 77	
School-houses, public buildings	225,973 76	
Public buildings, special appropriations	64,076 43	
School-houses, special appropriations	224,606 51	
Payments by Architect's Division	290,293 11	
Total expenditures by department	\$1,017,689 78	

These expenditures in detail are as follows:

PUBLIC BUILDINGS,	
Rents and taxes	\$25,378 07
Carpentry, lumber, and hardware	6,514 06
Salaries	15,880 90
Masonry, paving, and drains	5,567 38
Painting and glazing	4,174 00
Whitening and plastering	977 17
Janitors' care and cleaning	20,895 41
Plumbing	5,912 69
Gas and electric light fixtures	847 90
Gas	1,873 16
Electric lighting	12,819 99
Heating and ventilation	2,752 33
Fuel	5,078 90
Furniture	18,722 49
Roofing, gutters, and conductors	2,013 47
Bells, locks, and teaming	3,132 41
Iron and wire work	3,161 51
Water and ice	3,220 05
Board and shoeing of horse, car, and ferry tickets, etc.	1,166 85
Advertising, printing, stationery, postage, messenger service, and telephone	1,096 85
Auxiliary fire-alarm boxes, rental and repairs of	258 28
Awnings, new, and putting up and taking down	716 08
Supplies	2,189 09
New safe	138 50
Asphalt	305 00
Elevator, repairs of	234 83
Water filter	320 00
Plans	1,200 00
	\$146,547 37

Detail of Expenditures.

Repairs on:	
City Hall	\$13,880 00
Old Court House	5,539 35
12 and 14 Beacon street	1,013 23
Amount carried forward,	\$20,432 58

<i>Amount brought forward,</i>	\$20,432 58
Old Probate building	6,600 62
Old State House	469 37
Overseers of the Poor :	
Charity Bureau, Wayfarers' Lodge, and City Temporary Home	1,642 91
Markets :	
Faneuil Hall and Quincy	5,732 42
Board of Health :	
Morgue and Small-pox Hospital	976 33
Board of Police :	
Headquarters, Pemberton square	159 00
Fire Department :	
Headquarters, repair-shop, and engine- houses	572 65
Outside offices at Exchange building, Nos. 32 and 73 Tremont street and 994 Wash- ington street	5,519 53
Public Buildings. Miscellaneous :	
City Hall, Charlestown; Curtis Hall, Ja- maica Plain; Pound, East Boston; Storehouse, Wareham street; House, 94 Roxbury street; Old Town Hall, Dor- chester, and Old Smith Street School- house	3,569 84
Fuel furnished at the following buildings :	
City Hall; Old Court House; City Hall, Charlestown; Curtis Hall; Building, 12 and 14 Beacon street; Faneuil Hall; Old State House, and 37 Pemberton square	5,078 90
Rents and taxes :	
37 Pemberton square; 12 and 14 Beacon street; 994 Washington street; Exchange building; Lock-up, Mattapan, and parts of buildings 32 and 73 Tremont street	25,378 07
Janitors, engineers and cleaning :	
City Hall, Boston; City Hall, Charlestown; Old State House; 37 Pemberton square; 12 and 14 Beacon street; Old Court House; Faneuil Hall; Curtis Hall; Milk	
<i>Amount carried forward,</i>	\$76,132 22

<i>Amount brought forward,</i>	\$76,132 22
Inspector; Old Probate Building; Exchange building, 32 and 73 Tremont street	20,895 41
Salaries	15,880 90
Water and ice:	
City Hall; Old City Hall, Charlestown; Old Court House; Old Probate building; Faneuil Hall; Milk Inspector; and Old State House	3,220 05
Gas:	
City Hall; Old City Hall, Charlestown; Old Court House; Old Probate building; Faneuil Hall; Milk Inspector, and Old State House	1,873 16
Electric lighting:	
City Hall; 12 and 14 Beacon street; Old Probate building; Old Court House, and 32 and 73 Tremont street	12,819 99
Supplies for janitors	2,189 09
Board and shoeing of horse; car and ferry tickets	1,166 85
Teaming, and miscellaneous and office supplies,	12,369 70
Total	<u>\$146,547 37</u>

WARD ROOMS.

Rents	\$3,414 58
Janitors	480 75
Carpenter-work	292 77
Heating and lighting	439 05
Plumbing, painting and masonry	751 91
Teaming, supplies, printing, stationery, advertising, etc.	360 97
Water-rates	60 00
Gas and electric-light fixtures	310 10
	<u>\$6,110 13</u>

Detail of Expenditures.

Ward Room 1	\$18 77
“ 2	76 01
“ 3	56 60

Amount carried forward, \$151 38

<i>Amount brought forward,</i>		\$151 38
Ward Room	4	38 09
"	5	46 17
"	6	74 47
"	7	74 06
"	8	26 00
"	9	276 16
"	10	886 34
"	11	12 00
"	12	48 12
"	13	572 75
"	14	501 00
"	15	33 25
"	16	600 00
"	17	185 08
"	18	81 46
"	19	6 67
"	20	124 41
"	21	600 00
"	22	720 23
"	23	126 75
"	24	514 15
"	25	68 53
Printing		22 36
New ward-room ordinances		84 48
New voting lists		102 50
New keys		20 72
Teaming and supplies		113 00

\$6,110 13

ARMORIES.

Rents and taxes	\$12,964 17
Heating-apparatus, gas-fitting and plumbing	121 10
Furniture and furnishings	127 45
Fuel	259 82
Gas and electric lighting	1,311 83
Teaming	91 00
Water-rates	336 90
Carpentry, locks and bell	15 25
Rifle practice	4,000 00
Whitening	377 40
Painting	167 75
Advertising and supplies	80 93

\$19,853 60

*Detailed Statement.***Rents:**

Headquarters, First Brigade, 19 Milk street;
headquarters, Second Brigade, 37 Tremont street; Company A, Fifth Regiment, Congress Hall, Charlestown; Company L, Sixth Regiment, 7 Green street; Company D, First Battalion of Cavalry, Bacon's Hall; Companies A, B, C, and D, First Corps of Cadets, 130 Columbus avenue; and Company A, First Battalion Light Artillery, West Newton and Pembroke streets \$12,964 17

Rifle practice. Includes rent of rifle range and transportation:

By First Corps Cadets; Naval Brigade; Cavalry Companies A and D; Fifth Regiment, Companies A and H; Ninth Regiment, Companies A, B, C, D, E, and I; Signal Corps, First Brigade; Signal Corps, Second Brigade; First Brigade Staff, Sixth Regiment, Company L; and First Regiment, Companies A, C, D, G, K, and L 4,000 00

Water-rates:

First Corps Cadets; Company D, Ninth Regiment; Company A, Fifth Regiment; Companies A and D, First Battalion of Cavalry 336 90

Fuel:

Armories of First Corps Cadets; Company L, Sixth Regiment; Company D, Ninth Regiment; Company D, First Battalion of Cavalry; Company A, Fifth Regiment; and headquarters of First Brigade 259 82

Gas and electric light:

Armories of First Corps Cadets; Company L, Sixth Regiment; Company D, Ninth Regiment; Company A and Company D, First Battalion of Cavalry; Company A, Fifth Regiment; headquarters of First Brigade and Naval Brigade 1,311 83

Amount carried forward,

\$18,872 72

<i>Amount brought forward,</i>	\$18,872 72
Advertising for land, rifle range . . .	31 93
Repairs for the following companies:	
Company A, First Battalion of Cavalry .	32 12
“ D, Ninth Regiment . . .	433 60
“ H, Fifth “ . . .	8 50
“ L, Sixth “ . . .	303 70
Ambulance Corps	10 00
Naval Brigade	15 00
Battery A	82 03
Supplies, etc.	64 00
	\$19,853 60

OFFICE OF ELECTRICAL CONSTRUCTION DIVISION OF PUBLIC
BUILDINGS DEPARTMENT, Feb. 13, 1897.

COL. FRED B. BOGAN, *Superintendent of Public Buildings,*
City:

DEAR SIR: I have the honor of submitting herewith a
statement of the business of this Division:

Total amount of work done and partially done
and contracted for, from May 11, 1896, to
Jan. 31, 1897 \$72,084 02

Detailed Statement.

By bills submitted for collection . . .	\$27,419 66
“ “ “ and paid direct by depart- ments	10,396 00
By bills on hand not submitted . . .	7,180 10
“ stock on hand	4,844 75
“ work partially done	1,165 51
“ contracts awarded	21,078 00
	\$72,084 02

Expenditures to Jan. 31, 1897.

Labor and stock, charged to Public Buildings Appropriation	\$15,610 02
Labor and stock, charged to New Electrical Construction	25,000 00
<i>Amount carried forward,</i>	\$40,610 02

<i>Amount brought forward,</i>	\$40,610 02
To work done on account of City Hospital, Water Board and Public Institutions; the bills and pay rolls being charged and paid direct from their appropriations	10,396 00
Total amount expenditures by Electrical Division	\$51,006 02

Detailed Statement.

Salaries and labor	\$17,840 61
To stock, wire, cables, etc.	18,061 44
Printing and stationery	417 39
Furniture	236 75
Electric fixtures	510 44
Carpenter work and stock, including all mouldings and hardware	1,464 35
Badges	57 00
Car and railway fares	809 20
Telephone	141 80
Teaming	81 75
Typewriting	145 52
Blue prints	28 47
Travelling expenses	256 65
Advertising	79 46
Mason work	429 19
Fees	50 00
	\$40,610 02

Detailed Statement.

Labor (City Hospital)	\$6,243 50
Cable (Long Island)	1,432 50
Electric lighting (Chestnut Hill Pumping Station)	1,775 00
By division expenses	945 00
	\$10,396 00
Total detailed statements	\$51,006 02

Bills for work were rendered to the different departments for the following amounts:

PUBLIC BUILDINGS.

For work done in the different departments, chargeable to Public Buildings Department:

Ward room 9	\$24 93	
Ward room 20	30 51	
City Registrar's department . .	111 50	
Sealers Weights and Measures . .	156 72	
Building Commissioner	495 81	
Health department	336 73	
Electrical construction division, public buildings	411 63	
Janitor's room, City Hall	54 50	
Clerk of Committees	19 84	
Law department, 72 Tremont street	51 68	
12 and 14 Beacon street	44 57	
28 Court square	36 61	
City Treasurer	4 34	
Lamp department	29 43	
Aldermen's chamber	9 10	
City Hall corridors	49 83	
Printing department	27 74	
Election Commissioners	18 54	
Wire Commissioner	5 00	
Public buildings	54 15	
City Clerk	132 12	
Street department	194 58	
Aldermen's private room	18 84	
City Messenger	217 11	
City Auditor	202 93	
Room 8, City Hall	26 15	
President Common Council	153 55	
Water Board	78 74	
City Collector	582 97	
Mayor's office	228 00	
Assessors' office	885 61	
Street Commissioners	74 29	
		\$4,768 05
Public institutions		6,491 80
City Hospital		5,928 03
Water department		2,953 82
<i>Amount carried forward,</i>		<i>\$20,141 70</i>

<i>Amount brought forward,</i>	\$20,141 70
Public grounds	18 81
Election Commissioners	585 33
Police Commissioners	2,630 27
School Committee	2,153 05
Improvements in City Hall	757 20
Reconstruction basement of Old Court House,	454 76
City Engineer	86 10
Street Commissioners	46 63
Superintendent of Streets	348 28
Superintendent of Printing	12 20
Commissioner of Wires	171 72
Park Commissioners	13 61
Work in progress of construction	1,165 51
By stock on hand	4,844 75
By bills for work done, but not submitted to the different departments	7,180 10
	\$40,610 02

INCOME.

Of the amount of work actually done, the amount being \$27,419.66, there has been returned for credit as follows :

Amount chargeable to Public Buildings	\$4,768 05
Amount paid to City Collector by the differ- ent departments	20,804 12
Amounts sent to the different departments by City Collector, on which no payment has been made	1,847 49
	\$27,419 66

Had this Division charged 10 per cent. on all work from the beginning it is my opinion that the Division would have paid for itself. This percentage we propose to charge during the ensuing year.

Due consideration should be given to the fact that the saving to the city, both in cost of labor and material, over that which the city would have been obliged to pay for the same to outside parties, would pay the entire expense of this Division.

Thanking you for your many kindnesses,

I remain, dear sir, very respectfully,

H. F. COTTLE,

Chief of Electrical Construction.

ARCHITECT'S DIVISION, OFFICE EXPENSES.

Salaries	\$7,789 39
Typewriting	121 15
Board and shoeing of horse, repairs of carriage, etc.	730 17
Printing, stationery, postage and blue prints	259 77
Telephone, messenger, etc.	185 60
Car fares	75 00
	<u>\$9,161 08</u>

COUNTY BUILDINGS.

Janitors' care, cleaning, and supplies	\$3,925 37
Furniture and furnishings	916 10
Electric light	256 20
Fuel, water, and ice	747 00
Gas	92 97
Carpentry	1,274 32
Heating and plumbing	2,402 94
Teaming and supplies	881 37
Painting and glazing	133 60
Grading and care of lawns	454 25
Masonry and paving	3,472 94
Roofing	775 49
Gas fixtures	98 87
Locks and keys, etc.	26 35
	<u>\$15,457 77</u>

Detail Statement.

Court House	\$10 40
Municipal Court, Roxbury	3,015 63
" " Dorchester	1,077 84
" " Charlestown	1,005 15
" " East Boston	1,214 63
" " South Boston	1,276 50
" " Jamaica Plain	975 52
" " Brighton	1,040 40
County Jail	5,173 23
Supplies	668 47
	<u>\$15,457 77</u>

SCHOOL-HOUSES, PUBLIC BUILDINGS.

Furniture	\$56,688	83
Carpentry, lumber and hardware	31,046	14
Heating apparatus	19,487	94
Ventilation	8,781	78
Masonry, paving, drains, etc.	13,723	42
Rents:		
High School, military drill . . . \$400	00	
Grammar Schools	3,610	00
Primary Schools	11,039	85
Evening Drawing School, East Boston	940	00
Kindergartens	3,885	34
Manual Training	2,410	00
	22,285	19
Painting and glazing	12,641	02
Whitening and plastering	2,557	77
Blackboards	3,884	31
Locks, keys, and electric bells	2,919	54
Roofing, gutters and conductors	11,413	67
Iron and wire work	2,517	25
Fire-escapes, new, repairs and rent	1,109	83
Sash-elevators	919	49
Plumbing	11,923	21
Gas-fitting and electric-light fixtures	5,446	05
Teaming	2,071	95
Cleaning buildings and supplies	548	24
Horse shoeing, board of horses, repairs of car- riages, harnesses and car-fares	1,034	68
Salaries	5,757	00
Printing, stationery, and postage	282	48
Rent and care of auxiliary fire-alarm boxes	3,194	99
Paving and sewer assessments	220	55
Cleaning vaults	622	30
Flag-staffs, new, and care of old	696	84
Disinfectants	639	56
Tablets	430	00
Damages, order of court	275	12
Fire extinguishers and fire hose	477	91
Care of lawns	388	10
Water-rates	25	50
Gymnasium apparatus	1,963	10
Total for repairs, etc.	8225,973	76

Detailed Statement.

Grammar schools	\$98,843 29
Primary schools	62,091 51
High schools	28,354 83
Horace Mann School	2,456 29
Evening Elementary Schools	1,650 48
Evening Drawing School	1,826 02
Kindergarten Schools	7,100 57
Manual Training Schools	8,208 49
Mechanic Arts High School	1,784 96
School Committee Building	4,029 23
Not chargeable to any schools	9,628 09
	\$225,973 76

SPECIAL APPROPRIATIONS, PUBLIC BUILDINGS
DEPARTMENT.

The following amounts on special appropriations on Public Buildings have been expended :

Drainage of Faneuil Hall and Quincy Market houses	\$7,362 25
Fire-proofing dome, etc., City Hall	7,503 54
Improvements in Council Chamber and cham- ber of Board of Aldermen	3,059 88
New electrical construction	25,000 00
Work done on account of City Hospital, Water Board and Public Institutions	10,396 00
Reconstruction, etc., basement of Old Court House	4,454 76
Ward room, Ward 20	6,300 00
	\$64,076 43

ARCHITECT'S DIVISION, SPECIAL APPROPRIATIONS.

Of the buildings under contract and in process of erection at the time of the abolition of the Architect Department, July 1, 1895, the following have been accepted by this division, subject to the terms and conditions of the respective contracts, and have been occupied by the several departments for whose use they have been built :

Head-house, Marine Park, South Boston.
Brighton High School, Brighton.

Gibson Grammar School, Dorchester.
Bowdoin District Grammar School, City.
Stoughton District Grammar School, Dorchester.
Genesee-street Primary School, City.

The last three buildings having been accepted during the past year.

All the buildings for the Hospital Department, construction on which was first commenced the first of 1893, have been completed and occupied, with the exception of the surgical operating building. Work on this building is now being rapidly pushed and will be completed and ready for occupancy during this year.

The grading of City Hospital grounds and the grading and paving of the yard of the Gibson Grammar School, Dorchester, have been completed. The contract for the part grading and paving of the yard of the Stoughton District Grammar School, Dorchester, work on which was stopped during the winter, will commence again shortly. and will be finished in two months. Plans were also made for the grading and paving of the yard of the William Wirt Warren School, Brighton, and the Blackington School, East Boston.

Several matters of dispute between the contractors and the city have been amicably settled, viz.: Buttresses, Brighton High School; doorway, Genesee-street Primary School; kitchen furnishings, City Hospital. The contractor for the installation of the heating apparatus at the Genesee Street Primary School, has been requested several times to properly adjust said apparatus, but no attention has been paid to the communications. Unless measures are taken by the contractor to immediately put the apparatus in proper condition, the terms of the contract will be enforced. There is still a balance due said contractors on the contract. A few matters of adjustment at the Stoughton District and Bowdoin District Grammar Schools will be attended to by the contractors within a short time.

Besides the supervision of the foregoing constructions and the making of necessary detail drawings, etc., in connection with the same, plans have been made for the following alteration work:

Alteration of Probate Building into Institutions Department offices.

Alteration of dome and fifth floor, City Hall, into offices.

Alteration of Water Board stable, Albany street.

Alteration of Breed's Island water tower.

Alteration of Pumping-Station, Elmwood street, into Ward-room, Ward 19.

Alteration of Domestic Building, New Lunatic Hospital.

Alteration of boiler setting, Cudworth School.

Alteration of Pierpont School for Ward-room, Ward 7.

With the exception of the latter, contracts have been let, and reconstruction commenced.

The alterations of dome and fifth floor, City Hall, will give additional office area in this building of some 12,000 square feet. The dome, which has been unoccupied for some years, has been altered into large and light offices, which have proved eminently satisfactory to the different departments assigned to them. When these alterations are completed, it will allow of the removal of several offices, now occupying rooms in private buildings, to the City Hall. A new elevator has been contracted for, and is now being installed to take the place of the old one so long in use.

Plans and specifications were also made and accepted by the Institutions Commissioner for the construction of boiler-house at Deer Island. This building has been built by the prisoners on the island.

With the possibility that in the near future Faneuil Hall, now in a state of decay, will be restored and put in proper and safe condition, careful measurements of this historic building have been taken by the office force, and complete drawings have been made. An approximate estimate of the cost of these proposed alterations has been furnished the Mayor.

At the request of various departments of the city, this office has furnished approximate estimates on various proposed buildings and in a few instances, when requested, have submitted sketches of the same, viz.:

Beautifying, Copley square.

Alterations, Child-street stable, Street Department.

Veterinary Hospital, Street Department.

Steading, Franklin Park, Park Commissioners.

Sheepfold, Franklin Park, Park Commissioners.

Bath-house extension, Head-house, South Boston, Park Commissioners.

Greenhouses, Mt. Hope Cemetery Trustees.

Chapel and Gate Lodge, Mt. Hope Cemetery Trustees.

This office is used as an auxiliary to the office of Consulting Architect to the Mayor, and all contracts for city buildings (construction and heating), and all matters pertaining to additions to or deductions from said contracts are first submitted to this office for checking before being approved by the Mayor.

A table showing the balance of appropriations February 1, 1897, together with the amount of orders on contracts, bills which have been paid, and payments on contracts, all of which affect said appropriations, is herewith appended :

NAME.	Balance of Appropriation, Feb. 1, 1896.	Additions to Contracts.	Bills Paid.	Payments on Contracts.	Balance of Appropriation, Feb. 1, 1897.	Remarks.
Brighton High School.....	\$4,066 38	\$1,169 01	\$931 67	\$9,197 81	\$1,965 70	
Grammar Sch.-ho., Bowdoin Dist...	3,484 81	² 2,533 84	679 33	54,121 81	281 64	
Grammar Sch.-ho., Stoughton Dist.,	7,195 83	² 4,723 98	1,086 82	49,867 19	1,385 03	
Grammar Sch.-ho., Mt. Vernon Dist.,	28 30	.....	.....	1,334 00	28 30	
Grammar Sch.-ho., Gibson Dist.....	380 27	749 58	40 54	5,865 00	.....	{ Transfer of \$409.85 from Prim. School, Eastis st.
Primary Sch.-ho., Emerson Dist...	80	.....	.....	.....	80	
Primary Sch.-ho., Genesee st.....	7,306 96	775 41	259 37	29,478 89	6,272 18	
Primary Sch.-ho., Morton st.....	1,700 99	.....	.....	¹ 1,377 00	323 99	{ Transfer to Gibson Sch'l, \$409.85. Transfer to Parental School for Boys, \$86.63.
Primary Sch.-ho., Eastis st....	1,331 53	835 05	.....	3,374 13	.....	
Primary Sch.-ho., Canterbury st...	5,035 17	.....	.....	¹ 3,806 43	1,228 74	
Mechan'c Arts High Sch., Furnishing,	1,332 44	.....	.....	¹ 1,174 70	157 74	
Fire Dept. Bldg. & Site, So. Boston,	79 92	.....	.....	.....	79 92	
New Lunatic Hospital.....	10 09	.....	.....	² 3,355 54	.....	{ Additional Appropriation, \$5,100. Additional Appropriation, \$45,000.
New Bldgs. City Hospital.....	35,631 59	² 26,303 05	10,630 58	113,712 30	43,697 96	

¹ Expended by School Committee.

² Expended by Institutions Commissioner, \$2,800.01.

³ These amounts include contracts let during the year.

Following are the special appropriations on school-house account expended during the year:

School buildings, improvements in,	
Henry L. Pierce	\$1,875 00
Rice	2,271 40
Edward Everett	16,513 68
Cyrus Alger	9,912 82
Roxbury street	5,994 61
Norcross	200 00
Glenway	3,569 62
Wait	1,173 89
Howard avenue	1,658 92
Freeman	771 49
Cushman	2,622 49
Hancock	2,289 08
Skinner	393 19
Washington street, F. H.	4,392 85
Everett, Northampton street	350 00
Winship	150 00
Bennett	100 00
John A. Andrew	200 00
Baker street	1,108 00
Savin Hill	2,925 96
Common street, Charlestown	4,566 27
Mt. Pleasant avenue	3,662 87
Lewis	503 20
Chestnut avenue	4,359 64
Mechanic Arts High	819 20
Sharp	1,545 31
Grant	1,007 09
Hobart street	70 00
Bennett branch	75 00
Mead street	5,228 89
Bailey street	4,521 97
Quincy street, Roxbury	6,932 84
Everett, Brighton	4,492 17
Lowell	12,824 37
Warren	11,467 22
Canterbury street	3,921 27
Emerson, City Proper	453 30
Ware	727 59
Winthrop	2,487 51
Phillips	1,033 13

Amount carried forward, \$129,171 84

<i>Amount brought forward,</i>	\$129,171 84	
Tyler street, Primary	478 50	
Quincy, Tyler street	2,205 11	
Dillaway	1,081 67	
Sherwin	150 00	
Lyman	10,699 90	
Old Edward Everett	7,515 55	
Somerset street	209 43	
Weston street	811 45	
Chapman	1,240 50	
Adams street	1,184 77	
Appleton street	1,347 47	
Capen	174 94	
Howe	232 06	
Bunker Hill, Grammar	1,865 69	
Bunker Hill, Primary	1,162 56	
Tileston	547 97	
Old Roxbury High	10 00	
Emerson, East Boston	6,731 28	
Pormort	1,215 28	
Salaries	1,974 06	
Teaming	563 03	
Fire extinguishers	1,165 00	
Incidentals	1,212 80	
		\$172,950 86
Hancock School-house, enlargement of yard	808 23	
Gilbert Stuart School-house, furnishing	8,924 13	
Beech-street School-house, furnishing	240 00	
Edward Everett School, grading of lot and erection of wall	4,659 31	
Andrews School-house, furnishing	2,232 31	
Roger Clap School-house, furnishing	3,719 74	
New Bowdoin School-house, furnishing and electric lights	3,701 24	
Brighton High School-house, furnishing	13,411 15	
Small wooden buildings, furnishing	935 61	
Wooden building, Hugh O'Brien school-yard	1,510 30	
“ “ Lowell school-yard	1,589 86	
“ “ Prescott school-yard	1,728 89	
“ “ Munroe-street school-yard	1,000 00	
“ “ Chapman school-yard	1,735 33	
Allston Club-house, furnishing	1,017 29	
Small wooden buildings	4,442 26	
		\$224,606 51

In addition to the foregoing, this department has in charge the contracting for, and the supplying of, the fuel for all departments of the city and county, not otherwise provided for, which include the Police, Fire, Streets, Parks, Health, Public Buildings, Public Libraries, Public Grounds, Sanitary, Street-Cleaning, Sewer, Bridge, Cemeteries, Gallup's Island, Markets, Police and Fire-boats, also the County and District Municipal Courts. Requisitions are made as needed by each department, the amount required is inspected, weighed, and certified to by an employee of this department. The amount delivered to the several departments for the year ending February 1, 1897, is as follows, viz.:

8,627 tons furnace	coal.	10 tons Franklin	coal.
3,806 " egg	"	9 " nut	"
1,901 " stove	"	_____	
4,573 " Cumberland	"		
283 " cannel	"	19,209 " total.	
75 cords Nova Scotia	wood.		
114 " pine	"		
189 " total.			
Total cost of above	.	.	<u>\$87,403 52</u>

INCOME.

The following are the buildings from which rents have been received during the past year, together with the amounts; all of which are in charge of this department:

Faneuil Hall market and cellars and outside stalls	\$66,703 00
Faneuil Hall building, stalls, and cellars under Faneuil Hall	18,211 20
Old State House	10,100 00
House, 94 Roxbury street	325 00
Stable, Charlestown District	137 50
Curtis Hall	238 00
Ward-rooms	134 00
Rotunda and offices, Quincy Hall	2,800 00
Engine-house lot, Soley street	87 50
Town Hall, Dorchester	22 00
Produce Exchange	1,800 00
<i>Amount carried forward,</i>	<u>\$100,558 20</u>

<i>Amount brought forward,</i>	\$100,558 20
Rooms in Quincy Hall	475 00
Sale of old material	25 00
Armory, West Newton street	400 00
Basement Old Franklin School-house	75 00
Old Franklin School-house	100 00
Heating Old State-house	99 60
Electrical Construction Division	20,804 12
	\$122,536 92

The following list will show the number and location of buildings belonging to and hired by the city, which are under the charge of this department.

Respectfully submitted,

FREDERICK B. BOGAN,
Superintendent of Public Buildings.

PUBLIC BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
City Hall.....	School st.....	25,915	
City Hall.....	City sq., Charles- town	8,246	Police Station No. 15 in this building; also branch of the Public Library, and Muni- cipal Court and Evening Drawing School. Police- wagon stable on this lot.
Faneuil Hall, and market under same.....	Faneuil Hall sq..	8,460	
Faneuil Hall market- house, and hall over same	North and South Market sts....	27,400	
Old State House	State st.	4,239	
South City stables.....	Albany st.	90,780	Four build'gs and four sheds.
Highland-st. stables	Highlands	81,082	Three buildings.
West City stables.....	North Grovest..	33,306	Two buildings.
Curtis Hall.....	South st., W.R...	49,907	Branch of Public Library in this building.
Offal depot, wharf and dock.....	Albany st.	39,511	
Storehouse	Wareham st.	8,500	
Old Armory building....	Maverick st.	4,337	Ward-room 2 in this build- ing; upper part leased to Post 159, G.A.R.
Reception-house	North Grove st..	11,792	
Paving Dept. yard.....	Hancock street, Ward 24	109,444	Four buildings occupied by Paving Department.
House and land	94 Roxbury st. ..	4,190	Rents for \$300 per annum.
Central Charity Bureau, } City Temporary Home.. }	Chardon st.	19,962	Boiler and storehouse on lot.
Town Hall.....	Washington st., Dorchester	16,800	Used for drill hall, Dorches- ter High School.
Town Hall.....	Washington st..	13,431	Ward-room 25 in this build- ing; other room leased to Post 92, G.A.R., for 5 years, from December 1, 1893.
Stable	Rutherford ave..	17,300	Two buildings occupied by Health Department.
Old bath-house.....	Cabot st.....	7,469	
Wayfarers' Lodge.....	Hawkins st.	9,523	
Church building	Corner Dudley and Vine sts..	11,592	Ward room in this building, and Vine-st. Chapel, on this lot.
Small-pox Hospital	Canterbury st. ..	182,168	
Old Franklin Sch'l-house.	Washington st..	11,471	Ward-room, Posts 15 and 7, G.A.R., in this building. Lease expires July 1, 1897.

PUBLIC BUILDINGS. — *Concluded.*

Buildings.	Location.	No. of ft. in lot.	Remarks.
¹ Old Winthrop school-house.....	Bunker Hill st., Charlestown...	7,927	Armory and Ward-room 3 in this building.
¹ Old Court House.....	Court sq.	15,175	Occupied by city offices.
Westerly Hall.....	Centre st., West Roxbury	5,644	Public Library Branch in this building.
Stable	Chauncy pl.		Rents for \$150 per year, on lot with Chauncy-pl. School.
¹ Storehouse.....	Chauncy pl.		On lot with Chauncy-pl. School.
¹ Smith School-house.....	Joy st.	1,938	Leased to Post 134, G.A.R., from January 1, 1893, to January 1, 1899.
¹ Engine-house lot.....	Soley st.	2,230	
¹ Old Probate Court building.....	Court sq.	2,423	Occupied by the Street Department.
Ward-room 20.....	Meeting House Hill.....		On lot with Mather School-house.

¹ The above buildings were surrendered to this department, as not wanted for school, fire or county purposes.

In addition to the foregoing, the following property was leased for the use of this department:

Location of Buildings.	Rent.	No. of Rooms.	Occupied by
37 Pemberton sq.....	\$5,800 per year and taxes. Police Department pay one-fourth of rent	Whole building.	Police Commissioners and Police Dept.
12 Beacon st.	\$10,000 per year and taxes.	Whole building.	} Vacated October 1, 1896.
14 Beacon st.		Whole building.	
994 Washington st.....	\$1,100 per year...	5	Milk Inspector.
Exchange Building....	\$2,000 per year...	3	Park Commissioners. To be vacated April 1, 1897.
Mattapan	\$198 per year.....	3	Lock-up, Police Dept.
32 Tremont st.....	\$9,000 per year ...	1st and 2d floors.	Public Institutions and Street Department.
73 Tremont st.....	\$4,053 per year...	12 rooms	Law Department.
73 Tremont st.....	\$3,494 per year...	9 rooms	Sanitary, Street Cleaning and Bridge Divisions of the Street Department.
73 Tremont st.	\$361 per year	2 rooms	Street-watering Division of the Street Department.

ARMORIES.

The following list will show the location and rents of all armories February 1, 1897, in charge of this department:

Occupied by	Rent per annum.	Location of Armories.
Headquarters, First Brigade.....	\$500	19 Milk street.
“ Second “	900	37 Tremont street.
Company A, Fifth Regiment.....	1,200	Congress Hall, Charlestown. Lease expires January 1, 1901.
“ H, “ “	City building.	Winthrop street, Charlestown.
“ L, Sixth “	\$1,085	7 Green street. Lease expires February 1, 1898.
“ D, Ninth “	City building.	Bunker Hill street.
“ A, First Batt. of Cavalry.	City building.	Bulfinch street.
“ D, “ “ “	\$1,200	Bacon's Hall.
“ A, “ Corps of Cadets..	\$4,800	130 Columbus avenue.
“ B, “ “ “ ..		
“ C, “ “ “ ..		
“ D, “ “ “ ..		

COUNTY BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
Court House	Pemberton sq.....	87,035	Three buildings.
Jail	Charles st.....	130,740	
Municipal Court, Southern District	Roxbury st.	14,390	Evening Drawing School in this building.
Municipal Court, E. Boston.	High School building.		
“ “ S. Boston.	Corner Dorchester and W. Fourth sts.		
“ “ Charlest'n,	City sq.		
“ “ Brighton..	Washington st.		
“ “ W. Roxb'y,	Station-house 13.		
“ “ Dorchest'r,	“ 11.		

POLICE STATION-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1....	Hanover st.....	6,188	
2....	Court sq.....	2,029	
3....	Joy st.....	6,100	
4....	La Grange st.....	5,150	
5....	East Dedham st.....	3,303	Addition built in 1884.
6....	West Broadway	4,253	Police-wagon stable in this house.
7....	Meridian st.....	3,773	
8....	Commercial st.....	5,323	Harbor Police-station.
9....	Dudley st.....	6,797	Police-wagon stable on this lot.
10....	Pyncheon st.....	6,203	
11....	Adams st., Ward 24	7,500	Court-room and branch of Public Library in this building.
12....	East Fourth st., near K st...	7,217	
13....	Seaverns ave., cor. Maple place, W. Roxbury	9,701	Municipal Court, W. Roxbury District, and patrol-wagon house on this lot.
14....	Washington st., Brighton...	53,908	Municipal Court, Brighton District, in this building.
15....	City Hall, Charlestown.		
16....	Boylston st.....	10,486	
Lock-up...	Walnut st., Neponset.....	1,476	
"	Centre st., W. Roxbury		In old engine-house.
"	Mattapan		Hired at rental of \$198 per year.
Police quarters.	Washington st., Bank building, Dorchester.....	11,640	Branch Public Library in this building.

ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Dorchester st.....	5,698	Addition built 1874. Municipal Court, Ward-room 15, and two classes, branch of Bigelow School, in the building.
2	East Fourth st., cor. O....	4,000	
3.....	Harrison av., cor. Bristol st.	4,000	Ladder Truck 3 in this building.
4.....	Bulfinch st.....	6,098	Lancers' Armory, Chemical Engine No. 1 and Water Tower in this building.
5	Marion st., E.B.....	1,647	
6.....	Leverett st.....	2,269	
7.....	East st.....	1,893	
8.....	Salem st.....	2,568	
9	Paris st., E.B.....	4,000	Ladder Truck 2 in this building.
10.....	Mt. Vernon st.....	1,886	
11.	Saratoga st.....	10,000	
12.....	Dudley st.....	7,320	
13.....	Cabot st.....	4,832	
14.....	Centre st.....	5,713	
15.....	Dorchester ave.....	2,843	
16.....	River st., Dor. Dist.....	12,736	Ladder Truck 6 in this building.
17.....	Meeting-house Hill, Dor.D.	9,450	Ladder Truck House on this lot.
18.....	Harvard st., Dor. Dist....	9,440	
19.....	Norfolk st., Dor. Dist....	7,683	
20.....	Walnut st.....	9,000	
21.....	Boston st., Dor. Dist....	9,355	
22.....	Dartmouth st.....	4,463	
23.....	Northampton st.....	3,445	
24.....	Cor. Warren & Quincy sts.,	4,186	
25.....	Fort Hill sq.....	4,175	Ladder Trucks 8 and 14 in this building.
26-35...	Mason st.....	5,623	
27.....	Elm st., Charlestown....	2,600	
28.....	Centre st., West Roxbury,	10,377	Ladder Truck 10 in this building.
29	Chestn't Hill av., Brighton,	14,358	Ladder Truck 11 in this building.
30.....	Mt. Vernon st., W. Roxb'y,	16,275	
32.....	Bunker Hill st.....	8,188	
33.....	Boylston st.....	5,646	Ladder Truck 15 in this building.
34.....	Western ave., Brighton...	4,637	
36.....	Monument st	5,668	

ENGINE-HOUSES. — *Concluded.*

	Location.	No. of feet in lot.	Remarks.
No. 37.....	Cor. Longwood and Brook- line aves.	5,400	Chemical Engine No. 3 in this building.
38-39.	Congress st.....	4,000	
40.....	Sumner st.....	4,010	
41.....	Harvard ave., Brighton....	6,112	Chemical Engine No. 6 in this building.
42.....	Washington st., bet. Ather- ton and Beethoven sts....	3,848	Chemical Engine No. 5 in this building.
43.....	Andrew sq.....	5,133	
45.....	Washington st., W.R.....	14,729	Ladder Truck No. 16 in this house.

CHEMICAL ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2.	Church st.....	3,412	
4.....	Shawmut ave.....	889	
7.....	Chelsea st.....	1,346	
8..	B st., South Boston.....	1,804	
10.....	Eustis st.....	1,754	
11.....	North Grove st.....	3,918	

COMBINATION WAGON-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Dorchester ave.....	4,875	
2..	East Fourth st.....	3,101	

HOSE-HOUSE.

	Location.	No. of feet in lot.	Remarks.
No. 3.....	Winthrop st.....	3,000	Charlestown.

LADDER-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Friend st.....	1,676	
4.....	Cor. Winslow & Dudley sts.,	3,923	
5.....	West Fourth st.....	2,469	
7.....	Meeting-house Hill.....	.....	On lot with Engine House 17.
9.....	Main st., Charlestown....	4,290	Chemical Co. No. 9 in this b'ld'g.
12.....	Tremont st.....	4,350	
13.....	Wash'gton st., near Dover,	1,007	
17.....	Harrison ave.....	2,134	

MISCELLANEOUS. — *Fire Department.*

	Location.	No. of feet in lot.	Remarks.
Repair-shop	Albany st.....	23,663	
Fire Department Headquarters.....	Bristol st.....		
Fuel-house.....	Salem st.....	417	
Fuel-house.....	Main st., Charlestown,	2,430	
Old Engine House....	Centre st.....	1,628	Lock-up in this building.
Lot for ladder-house.	Washington st., Dor.	5,625	
Fuel-house.....	Dorchester st.....	1,610	

City Scales, located as follows, viz.:

North Scales, Haymarket square.

South Scales, City stables, yard, Albany street.

South Boston Scales, Foundry street and Dorchester avenue.

Roxbury Scales, Eustis and Mall streets.

Brighton scales, Rockland street, off Washington street.

East Boston Scales, Maverick square.

West Roxbury Scales, Centre and Lagrange streets.

Jamaica Plain Scales, Centre street and Starr lane.

City Pound, located as follows, viz.:

East Boston, Ashley avenue.

SCHOOL-HOUSES.

NAME.	Grade of School.	LOCATION.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Abby W. May...	Pr.	Thornton st....	11,052	1893	6	
Adams	Gr.	Sumner st.....	21,000	1856	13 and hall.	
Adams st.....	Pr.	Dorchester	44,555	1861	2	
Agassiz.....	Gr.	Brewer st., W.R.	42,244	1893	12 and hall.	Old Agassiz School on this lot.
Andrews	Pr.	Genesee st.	19,761	1896	9	
Appleton st....	"	Appleton st....	18,454	1870	12	
Atherton	"	Columbia st....	25,087	1872	8	
Auburn	"	School st., Br..	12,340	.....	4	
Bailey st.....	"	Dorchester	21,838	1880	4	
Baker st.....	"	West Roxbury..	10,464	... ..	1	
Baldwin	"	Chardon court..	6,139	1864	6	
Bartlett st.	"	Bartlett st.	7,627	1846	6	
Benj. F. Tweed.	"	Cambridge st., Ch.....	16,727	1892	6	
Benjamin Pope.	"	O st.	20,000	1883	8	
Bennett.....	Gr.	Chestn't Hill av.	26,648	1874	7 and hall.	
Bennett Branch.	"	Dighton pl.	9,605	1886	6	
Bigelow	"	West Fourth st..	21,997	1850	14 and hall.	
Blackinton.....	Pr.	Leyden st., E.B.	29,166	1892	6 and hall.	
Bon Homme Richard.....	"	Meeting-House Hill.....	.....	1895	1	On lot with Mather School-house.
Bowditch.....	Gr.	Green st.	23,655	1891	12 and hall.	
Bowdoin	"	Myrtle st.....	10,920	1895	16 and hall.	
Brighton High..	H.	Cambridge st..	50,000	1895	17 & 2 halls.	
Brimmer	Gr.	Common st. ...	11,401	1843	14 and hall.	
Bunker Hill....	"	Baldwin st., Ch. }	19,960	.....	14 and hall.	Ward-room 4 in this building.
Bunker Hill....	Pr.	Bunker Hill st. }			8	
Canterbury st. .	"	West Roxbury.	20,121	.. . .	2	
Capen	"	East Sixth st..	12,354	1871	6	
Chapman	Gr.	Eutaw st.....	20,500	1850	13 and hall.	Ward-room 1 in this building.
Chapman Annex.....	{ Pr. & MT	" " .....	.....	1896	2	In the Chapman School-house yard.
Charlest'n High,	H.	Monum't sq., Ch.	10,247	.....	10 and hall.	
Chas. C. Perkins,	Pr.	St. Botolph st..	16,000	1891	8 and hall.	
Charles Sumner,	Gr.	Ashland st., W.R.	30,000	1877	10 and hall.	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Chauncey pl....		Charlestown....	7,410		1	Stable and store-house on this lot. Building unoccupied.
Chestnut ave....	Pr.	West Roxbury..	13,733	.....	2	
Choate Burnh'm,	"	East Third st...	17,136	1894	8	
Christo'r Gibson,	Gr.	Mt. Bowdoin....	39,620	1895	14 and hall.	
Clinch.....	Pr.	F st.....	13 492	1871	6	
Comins.....	Gr.	Tremont st.....	22,169	1856	13 and hall.	
Common st....	Pr.	Charlestown....	7,001	.....	6	
Cook.....	"	Groton st.....	10,170	1852	6	
Cottage pl.....	Kg.	Highlands.....	7,094	1859	4	
Cross st.....	Pr.	Charlestown, ..	1,708	.....	2	
Cudworth.....	"	Paris and Grove sts.....	25,000	1894	11	On lot with Hancock.
Cushman.....	"	Parmenter st..	.....	1867	16	
Cyrus Alger....	"	W. Seventh st...	16,560	1880	8	
Dearborn.....	Gr.	Dearborn court,	36,926	1852	14 and hall.	
Dillaway.....	"	Kenilworth st..	22,824	1882	12 and hall.	
Dorchester ave..	Pr.	Dorchester ave., Ward 24.....	34,460	.....	4	
Dorchester High,	H.	Dorchester ave., Ward 20.....	59,340	1870	8	
Drake.....	Pr.	C st.....	10,260	1869	6	
Dudley.....	Gr.	Dudley st.....	26,339	1874	14 and hall.	
Dwight.....	"	W. Springf'd st.	19,125	1857	14 and hall.	
E. Boston High.	H.	Meridian st....	13,616	1846	6 and hall.	Library and court-room in this building.
Edward Everett,	Gr.	Sumner street, Ward 20.....	33,890	1876	10 and hall.	Old Everett school-house on this lot.
Ellot.....	"	N. Bennet st....	11,077	1838	14 and hall.	
Emerson.....	"	Prescott st.....	39,952	1865	16 and hall.	
Emerson.....	Pr.	Poplar st.....	5,924	1861	6	South End Branch of Public Library in this building.
English High....	H.	Montgomery st.	85,500	1877	39 & 2 halls.	
Eustis st.....	Pr.	Roxbury.....	16,165	1895	6	
Everett.....	Gr.	Camden st.....	32,409	1860	14 and hall.	
Everett.....	Pr.	Brentwood st...	44,237	.....	2	
Florence st.....	"	Florence st., W. R.....	25,030	.....	6	
Franklin.....	Gr.	Ringgold st....	16,439	1859	14 and hall.	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Freeman	Pr.	Charter st.....	5,247	1868	6	
Frothingham ...	Gr.	Prospect st., Charlestown..	22,079	1874	16 and hall.	
Gaston	Gr.	East Fifth, cor. L st.	35,358	1872	14 and hall.	
George Putnam.	"	Columbus ave...	31,784	1880	10 and hall.	
George st.....	Pr.	Highlands	18,894	1861	6	
Girls' High.....	H.	West Newton st.	30,454	1870	66 and hall.	The number of rooms include those for recita- tion and appara- tus.
Girls' Latin	L.					
Gilbert Stuart ..	Gr.	Richmond st...	30,001	1896	14 and hall.	
Glenway	Pr.	Ward 20	25,827	1880	2	
Grant	"	Phillips st.	3,744	1852	4	
Hancock	Gr.	Parmenter st. .	31,998	1847	14 and hall.	Cushman School- house on this lot.
Harbor View st.,	Pr.	Dorchester	27,808	1883	4	Mayflower School- house on this lot.
Harris	Gr.	Adams st., Ward 24.....	37,150	1861	8 and hall.	Little Emily School- house on this lot.
Harvard	"	Bow st., Ch.	16,306	.....	14 and hall.	Ward-room 5 in this building.
Harvard	Pr.	N. Harvard st..	20,750	.....	4	
Harvard Hill ...	"	Harvard st., Ch.	4,645	.....	8	
Hawes Hall	"	West Broadway,	16,647	1823		Simmonds School- house on this lot.
Heath st.....	"	Highlands.....	10,669	1857	2	
Henry L. Pierce,	Gr.	Washington st., Ward 24.....	64,439	1891	12 and hall.	
Hillside	Pr.	Elm st., Ward 22,	18,613	.....	6	
Hobart st.....	"	Brighton.	10,000	1884	2	
Horace Mann ...	D. M.	Newbury st....	8,400	1889	18 & 2 halls.	
Howard ave.....	Pr.					
Howard ave. an- nex.....	"	Howard ave. ....	.....	1896	2	On lot Howard ave. School-house.
Howe	"	West Fifth st...	12,494	1874	8	
Hugh O'Brien...	Gr.	Dudley st.....	40,554	1887	14 and hall.	
Hugh O'Brien annex .....	"	" " .....	.....	1896	2	On lot with Hugh O'Brien School- house.
Hyde.....	"	Hammond st. ..	20,754	1884	14 and hall.	
Ingraham	Pr.	Sheafe st.....	2,354	1848	3	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Ira Allen.....	Pr.	Leon st.	1,057	1851	4	
John A. Andrew,	Gr.	Dorchester st...	24,889	1876	16 and hall.	
Joshua Bates ...	Pr.	Harrison ave. ..	15,237	1884	8	
Lawrence	Gr.	B and W. Third sts.	14,343	1856	14 and hall.	
Lewis	"	Sherman st.	27,850	1868	12 and hall.	
Lincoln	"	East Broadway.	24,500	1859	14 and hall.	
Little Emily	Pr.	Adams st. ....	.....	1895	1	On lot with Harris School-house.
Lowell.....	Gr.	Centre st.	35,241	1874	14 and hall.	
Lowell Annex..	"	Mozart st. ....	.....	1896	2	
Lucretia Crocker	Pr.	Parker st	30,000	1884	8	
Lyceum Hall..	"	Meeting-House Hill.....	21,319	....	6	
Lyman.....	Gr.	Paris st... ..	26,200	1870	14 and hall.	Rebuilt, 1872.
Margaret Fuller,	Pr.	Glen Road....	14,252	1892	6	
Martin.....	Gr.	Huntington av.	28,307	1885	14 and hall.	
Mather	"	Meeting-House Hill.....	123,050	1872	10 and hall.	Old Mather and Bon Homme Richard School-houses on this lot, also Ward-room 20.
Mather.....	Pr.	W. Broadway, S.B.....	10,160	1842	12	
Mayflower.....	Ck.	Harbor View st.,	.....	1895	1	On lot with Harbor View-st. School-house.
Mead st.....	Pr.	Charlestown...	5,857	1847	4	
Mechanic Arts,	H.	Belvidere st....	22,881	1893	16	The number of rooms includes one used as a blacksmith shop.
Medford st....	Pr.	Charlestown...	12,112	1886	4	
Minot.....	Gr.	Neponset ave..	31,500	1885	7 and hall.	
Mt. Pleasant av.,	Pr.	Highlands....	9,510	1847	2	
Morton st.....	"	Dorchester....	17,031	1895	4	
Mount Vernon,	"	Mt. Vernon st., Ward 23, W.R.,	22,744	....	4 and hall.	
Munroe st.....	"	Highlands....	13,021	1854	2	
Munroe-st.ann'x	"	Bower st.....	.....	1897	1	On lot with Munroe-st. School-house.
Noble.....	"	Princeton st...	17,500	1874	8	
Norcross.....	Gr.	D st.....	12,075	1868	14 and hall.	
N. Margin st...	L. M.	N. Margin st.,	1,661	1837	2	

SCHOOL-HOUSES.—*Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Old Oak sq.....	....	Brighton.....	9,796	. . .	2	Unoccupied.
Oak sq.....	Pr.	Nonantum st..	20,000	1894	2	
Old Agassiz.....	"	Burroughs st..	.....	....	6	On lot with Agassiz School.
Old Brighton High.....	"	Chestnut Hill ave.....	54,448	....	5 and hall.	Unoccupied.
Old Everett.....	Pr.	Willis st.....	.....	1855	7	On lot with Edw. Everett.
Old Gibson.....	"	School st., Ward 24.....	46,227	1857	6	
Old Mather.....	"	Meeting-House Hill, Dor.....	.....	1856	6	On lot with Mather School-house.
Old Roxbury High.....	Kgt	Kenilworth st..	6,990	1861	8	
Parkman	Pr.	Silver st.....	5,306	1848	6	
Phillips.....	Gr.	Phillips.....	11,190	1862	14 and hall.	
Phillips st. . . .	Pr.	Highlands.....	20,335	1867	8	Ward-room 19 in this building.
Phineas Bates...	Gr. Pr. }	Beech st.....	37,500	1896	4	
Pierpont.....	MT	Hudson st.....	4,216	1850	4	
Plummer.....	Pr.	Lamson and Sumner sts...	35,073	1891	10 and hall.	
Polk st.....	"	Charlestown....	12,143	1878	6	
Poplarst.....	"	West Roxbury..	7,842	.....	1	
Pormort.	Pr.	Snelling place..	4,373	1855	6	
Prescott.....	Gr.	Elm st., Charles-town.....	16,269	.....	10 and hall.	
Prescott Annex.	MT	Elm st.....	.....	1896	1	On lot with Prescott School.
Prince.....	Gr.	Newbury st.	22,960	1875	12 and hall.	
Public Latin....	L.	Warren ave. ....	.....	1877	39 and hall.	On lot with English High School.
Quincy.....	Gr.	Tyler st.....	12,413	1847	14 and hall.	
Quincy st.....	Pr.	Dorchester.....	20,000	1882	2	
Quincy st.....	"	Highlands.....	23,453	1875	8	
Rice.....	Gr.	Dartmouth st..	27,125	1869	14 and hall.	Normal and Rice Training Schools in this building.
Robert G. Shaw,	Gr.	Hastings st., W. Roxbury .	40,000	1892	8 and hall.	
Roger Clap.....	"	Harvest st.....	21,548	1896	10 and hall.	
Roxbury High..	H.	Warren st.	25,617	1891	19 and hall.	
Roxbury st.....	Pr.	Highlands.....	14,147	1874	8	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Rutland st	Pr.	Rutland st.....	7,850	1851	6	On Hawes School-house lot.
Savin Hill.....	"	Savin Hill ave..	20,060	1884	2	
Sharp.....	"	Anderson st....	5,887	1824	6	
Sherwin.....	Gr	Madison sq.....	32,040	1870	16 and hall.	
Shurtleff.....	"	Dorchester st...	40,553	1869	14 and hall.	
Simonds.....	Pr.	W. Broadway ..	.....	1840	3	
Skinner.....	"	Fayette st.	5,238	1870	6	
Smith st.....	Kg.	Roxbury.....	6,952	1849	2	
Somerset st.....	Pr.	Ward 6.....	6,300	1824	4	
Stephen M. Weld,	"	Canterbury st...	34,266	1895	6	
Stoughton.....	"	River st., Wd. 24,	29,725	1856	8	Rebuilding.
Tappan.....	"	Lexington st...	11,500	.....	8	
Thetford st.....	"	Dorchester.. ...	29,879	1875	8	
Thomas N. Hart	Gr.	East Fifth st...	26,264	1889	13 and hall.	
Thomas N. Hart Annex.....	Kg.	H st.....	11,477	1895	2	
Ticknor.....	Pr.	Washington Vil.,	11,486	1865	12	
Tileston.....	Gr.	Norfolk st., Ward 24.....	83,640	1868	8 and hall.	
Tuckerman.....	Pr.	East Fourth st..	11,655	1850	6	
Tyler st.....	Pr.	Tyler st.....	3,900	1855	6	
Union st.....	"	Brighton	67,280		2	Ward-room 6 in this building.
Vernon st.	"	Highlands	17,256	.....		
Wait	"	Shawmut ave...	16,341	1860	8	
Walnut st.	"	Neponset	22,790	1856	7	
Ware.....	"	N. Bennet st....	6,539	1852	4	
Warren	Gr.	Summer st., Ch.,	14,322	.....	14 and hall.	
Washington Allston.....	"	Cambridge st...	22,000	1878	10 and hall.	
Washington Allston Annex....	"	Cambridge st...	11,477	.....	3	
Washington st..	Pr.	Forest Hills....	24,010	.....	2	
Washington st...	Pr.	Germantown, W.R.....	13,130		2	Addition built in 1885.
Way st.	Pr.	Ward 7	2,508	1850	3	
Webster.....	"	Webster av., Br.,	19,761	.....	4	
Wells.....	Gr.	Blossom st.....	10,770	1868	12 and hall.	Ward-room 8 in this building.

SCHOOL-HOUSES. — *Concluded.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
West Concord st.,	Pr.	W. Concord st..	10,756	1845	10	
West Roxbury High	H.	Elm st., W.R....	47,901	.....	6	
Weston st.	Pr.	Highlands	14,973	1877	8	
Williams	"	Homestead st...	26,145	1892	4	
William H. Kent,	"	Moulton st....	15,817	1895	6	
William Wirt Warren	"	Waverley st.....	27,137	1892	6 and hall.	
Winchell	"	Blossom st.....	14,465	1885	12	
Winship	"	Dighton pl.....	34,366	.....	4	
Winthrop	Gr.	Tremont st.....	16,100	1855	14 and hall.	
Winthrop st.	Pr.	Highlands.....	9,775	1857	4	
Wyman	"	Wyman st.	30,414	1892	6	
Yeoman st.....	"	Highlands.....	18,200	1870	12	
School Committee Building ..	...	Mason st.....	7,148	.....	10 and committee chamber.	

Gr., Grammar; Pr., Primary; H., High; Kgt., Kindergarten; L., Latin; D. M., Deaf Mutes; N. & T., Normal and Training; L. M., Licensed Millers; M. T., Manual Training.

The following lots of land have been bought for school purposes, amounting to 298,570 sq. feet of land:

Adams and Chestnut streets, 20,399 sq. feet of land.

Baker street, W.R., 21,000 sq. feet of land.

Robinson street, 25,032 sq. feet of land.

Chestnut Hill avenue, 25,000 sq. feet of land.

Adams and Mill streets, 30,000 sq. feet of land.

Hewlett and South streets, 21,679 sq. feet of land.

Chambers street, 14,128 sq. feet of land.

Centre street, Dorchester, 60,000 sq. feet of land.

Bennett street and Prince street, 18,986 sq. feet of land.

Walk Hill street, 30,000 sq. feet of land.

Paul Gore street, 32,346 sq. feet of land.

HIRED BUILDINGS.

In addition to the foregoing, the following rooms have been hired for school purposes. Rent and taxes paid for the same during the year amounted to \$22,285.19 :

Name.	Location.	Remarks.
Nawn's Building.....	Centre st., Roxbury.....	Rent, \$720 per annum. (Vacated July 1, 1896.)
Maverick Chapel.....	Bennington st., East Boston,	Rent, \$672 per annum, in cluding heating.
Kindergarten.....	7 Byron Court, Roxbury....	Rent, \$300 per annum. (\$360 since Dec. 1, 1896.)
Wise Hall.....	South st., Roslindale.....	Rent \$1,200 per annum.
Wise Building.....	Poplar st., Roslindale.....	" \$1,000 "
Wise Building Stores....	Poplar st., Roslindale.....	" \$480 "
Wells Branch.....	Chambers st.....	" \$800 " (One-half cost of gas used.)
Manual Training School..	Elliot st., Jamaica Plain....	Rent, \$300 per annum.
Day's Chapel.....	Parker st., Roxbury.....	" \$350 "
East Boston Evening Drawing School.....	Stevenson's Block, E.B.....	" \$940 "
Stoughton Branch.....	Odd Fellow's building, River st., Lower Mills.....	" \$1,000 " (Vacated Nov. 1, 1896.)
Carey Hall.....	Clarendon Hills, W. Roxbury.	Rent, \$500 per annum. (Vacated Jan. 1, 1897.)
Manual Training School..	E st., South Boston.....	Rent, \$1,900 per annum.
Charles Sumner Branch..	Church, Roslindale.....	" \$850 "
Kindergarten.....	Unity Chapel, Washington Village, South Boston.....	" \$300 "
Kindergarten.....	Kettelle building, 34 Adams st., Dorchester.....	" \$540 " water rates.
Howard Avenue Branch..	28 Magnolia st., Dorchester..	Rent, \$540 per annum. (Vacated April 1, 1896.)
Kindergarten and Manual Training.....	Barnard Memorial, Warren- ton st.....	Rent, \$960 per annum. (Vacated Aug. 1, 1896.)
Edward Everett Branch..	Athenæum building, Cottage st., Dorchester.....	Rent, \$800 per annum.
Hancock Branch.....	North End Union, 20 Par- menter st.....	" \$2,300 "
Kindergarten.....	32 Parmenter st.....	" \$500 "
Lowell Branch.....	Workingmen's building, Cen- tre st., Roxbury.....	" \$600 "
Hall's Building, 202 Harri- son ave.....	In place of Genesee-st. school,	" \$1,800 " (Vacated Aug. 1, 1896.)

HIRED BUILDINGS. — *Concluded.*

Name.	Location.	Remarks.
East Boston High School Drill Hall.....	E.B. Athletic Ass'n. building, Paris st.....	Rent, \$520 per annum.
Roxbury High Branch....	Highland Hall, Warren st., Roxbury.....	Rent, \$816 per annum. (Vacated June 1, 1896.)
Hancock Branch.....	Lewis block, 115 and 119 Salem st.....	Rent, \$1,200 per annum. (Vacated Nov. 1, 1896.)
Kindergarten.....	65 George st., Roxbury.....	Rent, \$360 per annum.
Primary School.....	31 N. Russell st.....	" \$1,800 "
Kindergarten.....	Centre st. Church, Jamaica Plain.....	" \$400 "
Kindergarten.....	Trenton st., E.B.....	" \$600 "
Kindergarten.....	Hale House, 2 Decatur st....	Rent, \$200 per annum. (Vacated Dec. 1, 1896.)

WARD-ROOMS.

The following list will show the location of the various ward-rooms in this city:

Ward.	Buildings.	Location.
1.....	Chapman School-house.....	Eutaw street.
2.....	Armory Building	Maverick street.
3.....	Old Winthrop School-house.....	Bunker Hill street, Charlestown.
4	Bunker Hill Grammar School-house,	Baldwin street, Charlestown.
5.....	Harvard Grammar School-house....	Devens street, Charlestown.
6	Ware Primary School-house.....	North Bennet street.
7.....	Pierpont School-house.....	Hudson street.
8.....	Wells School-house.....	Blossom street.
9.	Old Franklin School-house.....	Washington street.
10	Rice School-house.....	Appleton street.
11.....	Prince School-house.....	Exeter street.
12.....	School-house.....	West Concord street.
13.....	Spellman Hall.....	West Broadway.
14.....	Gray's Hall	East Broadway.
15.....	Court room, South Boston.....	Dorchester and W. Fourth streets.
16.....	Winthrop Hall.....	Upham's Corner.
17.....	Old Church building.....	Dudley street.
18.....	Old Bath-house.....	Cabot street.
19.....	School-house.....	Phillips street.
20.....	Ward-room building.....	Meeting-House Hill.
21.....	Dudley-street Opera House.....	Dudley street.
22.....	Sammet Hall	Boylston Station.
23.....	Minton Hall.....	Forest Hills Station.
24.....	Dorchester Hall.....	Field's Corner, Dorchester.
25.....	Old Town Hall.....	Washington street, Brighton.



ANNUAL REPORT
OF THE
PUBLIC GROUNDS DEPARTMENT.
FOR THE YEAR 1896-7.

JAN. 31, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

DEAR SIR: In compliance with the Revised Ordinances I herewith submit my annual report of the expenditures of the Public Grounds Department for the year beginning Feb. 1, 1896, and ending Jan. 31, 1897.

Respectfully submitted,

WM. DOOGUE,

Superintendent.

PAYMENTS FOR EXPENSES UNDER THE GENERAL APPROPRIATION FOR THE YEAR BEGINNING FEB. 1, 1896, AND ENDING JAN. 31, 1897.

Salary, superintendent . . .	\$4,000 00
Salary, assistant superintendent,	2,016 66
Labor, exterminating tussock	
moth	4,967 27
Labor, removing snow . . .	2,041 14
Flower pots, tubs, boxes, etc.,	1,010 60

Teaming plank walks . . .	\$675 00	
Hay, grain, oats, etc., for horses . . .	\$765 46	
Shoeing horses . . .	168 03	
Veterinary services and medicine . . .	8 85	
		942 34
Water-rates	565 00	
Repairs on harnesses and vehicles,	472 70	
Freight, express charges, etc. .	468 96	
Tools and repairs	410 84	
Hardware	423 02	
One hundred new settees . . .	375 00	
New express wagon, \$175 00		
New tip-cart	110 00	
New harness	55 00	
Lap robes	18 50	
		358 50
Poles and evergreen trees . . .	315 77	
Rubber hose, fittings, etc. . .	284 54	
Car tickets	275 00	
Lawn mowers and repairs . . .	194 41	
Paints and small supplies . . .	160 08	
Teaming settees	50 00	
Rubber boots, used while cleaning out ponds	41 44	
Repairing iron fences	40 00	
Travelling expenses	4 00	
		\$20,092 27

Street Trees.

Labor	\$6,848 85	
Teaming	492 75	
Mason-work	150 00	
Manure	108 31	
Bricks	47 68	
Loam	30 00	
Ironwork	27 33	
Negatives	5 00	
Lathyam	4 60	
		7,714 52

Greenhouses.

Labor	\$4,423 97
Coal	2,340 09

Repairs and additions to heating apparatus	\$822 61
Manure	355 89
Plants	329 95
Lumber	272 71
Teaming	216 16
Mason-work	176 00
Water-rates	172 70
Clay, cinders, etc.	172 00
Loam	97 74
Telephone charges	83 90
Plumbing, lining tank, etc.	75 59
Painting sashes, vases, etc.	62 50
Moss	57 50
Glass and doors	40 19
Ironwork	33 59
Charcoal	31 80
Towel supply	28 08
Cesspool repairs	28 08
Sand and cement	46 56
Cut granite fenders	37 00
Removal of iron electric pole and setting a wooden pole	20 00
Repairing electric lights, bells, etc.	18 81
Carpentry	19 98
Sod	15 00
Negatives	13 50
Painting chimney	10 00
Coal for carpenter shop	9 30
Ice	8 25
Electric lighting	6 93
Lily roots	6 00
Asbestos cement	3 75
	————— \$10,036 13

Renovating Barn and Old House.

Labor	\$476 24
Lumber	214 64
Painting and papering	122 75
Moving stable	46 80
Ironwork on stable	29 86
Roofing stable	25 63
	—————

915 92

Nursery.

Labor	\$2,721 60	
Rhododendrons, hollies, etc.	1,220 52	
Trees, shrubs and plants	132 83	
Flower seeds	268 24	
Loam	500 25	
Rent of land	225 00	
Manure	186 00	
Water-pipes and supply	106 08	
Teaming	13 50	
		\$5,374 02

Storage Lot.

Labor	\$248 00	
Fence poles	78 00	
Asphaltum	8 50	
Teaming	5 00	
		339 50

Office.

Clerk-hire	\$1,500 00	
Printing, stationery, etc.	148 09	
Telephone service	127 80	
Inlaid tile	89 93	
Cleaning	76 00	
Plumbing repairs	51 40	
Clerical service	62 50	
Coal	33 32	
Labor, making repairs	26 88	
Picture frames	16 50	
Window shades	8 25	
Repairing stamps	5 00	
Repairing clock	3 75	
		2,149 42

Boston Common.

Labor	\$9,511 66
Teaming	1,927 85
Sod and grass seed	1,569 32
Red and blue gravel	908 16
Telephone service	141 40
Mason-work	98 00
Manure	75 50
Concrete repairs	74 21
Loam	64 45

Lumber	\$39 48
Coal	34 18
Cleaning	30 00
Rugs	11 00
Towel supply	8 40
Photographs	17 80
Ice	8 30
Repairing office chimney	7 20
Directory	5 00
	\$14,531 91

Cleaning out pond.

Labor	\$319 00	
Teamings	175 00	
	494 00	
		\$15,025 91

Public Garden.

Labor	\$8,683 58
Teaming	1,402 75
Red gravel	1,182 20
Bulbs and plants	1,064 29
Sod	840 22
Manure	184 48
Roses and shrubs	153 42
Mason-work	150 00
Loam	106 97
Repairing iron vase	95 00
Repairing iron fence and gate	94 33
Plumbing	19 28
Cotton covering	56 76
Bricks and lumber	10 42
Negatives	8 00
	\$14,051 70

Cleaning out pond.

Labor	\$190 00	
Teaming	223 50	
	413 50	
		14,465 20

Massachusetts Avenue.

Labor	\$520 00
Grass-seed and sod	192 05
Teaming	60 00

Red gravel	\$26 66
Mason work	24 00
Fertilizer	18 75

\$841 46

Blackstone Square.

Labor	\$419 00
Teaming	15 00
Fertilizer	10 00
Grass-seed	4 37
Mason-work	3 00

451 37

Franklin Square.

Labor	\$419 00
Teaming	15 75
Sod and grass-seed	13 38
Fertilizer	10 00
Mason-work	3 00

461 13

Worcester Square.

Labor	\$154 00
Teaming	18 00
Plants	10 50
Grass-seed	3 50

186 00

Concord Square.

Labor	\$115 00
Bulbs and plants	61 62
Fertilizer	3 75

180 37

Rutland Square.

Labor	\$116 00
Bulbs and plants	61 63
Team	9 00
Fertilizer	3 75
Lumber	1 70

192 08

Copley Square.

Labor	\$163 00
Sod and grass-seed	120 37
Teaming	14 00

297 37

Union Park.

Labor	\$132 00	
Plumbing	45 31	
Teaming	13 50	
Grass-seed	3 50	
		\$194 31

Washington Square.

Labor	\$105 00	
Bulbs	41 25	
Grass-seed	4 25	
Fertilizer	3 75	
Teaming	2 00	
		156 25

City Hall.

Labor	\$124 00	
Sod and grass-seed	75 97	
Teaming	33 00	
		232 97

Park Square.

Labor	\$59 00	
Sod	26 10	
Plants	8 00	
Teaming	4 00	
		97 10

Lowell Square.

Labor	\$100 00	
Sod	182 19	
Loam	35 00	
		317 19

Waltham Square.

Labor	\$88 00	
Sod and grass-seed	15 68	
Plants	8 00	
Teaming	3 00	
		114 68

Berwick Park.

Labor	\$104 00	
Team	9 00	
Fertilizer	1 25	
		114 25

St. Stephen's Square.

Labor	\$80 00	
Grass-seed	1 70	
		\$81 70

SOUTH BOSTON DISTRICT.

Independence Square.

Labor	\$1,148 36	
Teaming	76 50	
Blue gravel	42 00	
Grass-seed	44 06	
Mason-work	28 00	
Manure	36 25	
Loam	11 00	
Plants	7 50	
Repairing fence posts	7 05	
Cleaning out pipe	8 75	
		1,409 47

Thomas Park.

Labor	\$1,236 59	
Mason-work	168 00	
Sod and grass-seed	162 72	
Teaming	66 50	
Loam	45 00	
Manure	18 00	
		1,696 81

Lincoln Square.

Labor	\$363 00	
Teaming	30 00	
Plants	28 40	
Manure	6 00	
Grass-seed	4 38	
		431 78

Commonwealth Park.

Labor	\$72 00	
Teaming	13 50	
		85 50

EAST BOSTON DISTRICT.

Central Square.

Labor	\$383 00	
Bulbs and plants	66 12	

Teaming	\$41 50	
Fertilizer	7 50	
Grass-seed	5 10	
Plumbing repairs	3 75	
Manure	3 30	
		\$510 27

Belmont Square.

Labor	\$341 00	
Teaming	42 00	
Bulbs and plants	39 37	
Fertilizer	5 00	
Grass-seed	4 25	
		431 62

Prescott Square.

Labor	\$143 50	
Teaming	10 00	
Grass-seed	3 40	
Fertilizer	2 50	
		159 40

Putnam Square.

Labor	\$146 00	
Teaming	20 00	
Grass-seed	2 55	
Fertilizer	2 50	
		171 05

Maverick Square.

Labor	\$249 00	
Bulbs and plants	24 87	
Teaming	21 50	
Grass-seed	1 70	
Fertilizer	1 25	
		298 32

CHARLESTOWN DISTRICT.

City Square.

Labor	\$259 00	
Bulbs and plants	77 05	
Teaming	33 00	
Manure	24 00	
Repairing hydrant	3 75	
Fertilizer	3 75	
Grass-seed	2 47	
		403 02

Winthrop Square.

Labor	\$338 00
Bulbs and plants	97 75
Sod and grass-seed	55 17
Teaming	31 85
Manure	30 00
Fertilizer	6 25
Repairing hydrant	1 75

 \$560 77
Sullivan Square.

Labor	\$351 00
Sod and grass-seed	55 08
Plants	40 00
Manure	30 00
Teaming	25 00
Fertilizer	11 25
Gravel	6 00

 518 33
Bunker Hill Square.

Labor	\$126 00
Loam	26 00
Teaming	17 50
Fertilizer	2 50
Grass-seed	2 47

 174 47
Essex Square.

Labor	\$115 00
Plants	10 00
Grass-seed	2 47
Fertilizer	1 25

 128 72

DORCHESTER DISTRICT.

Meeting-House Hill.

Labor	\$166 00
Bulbs	53 63
Fertilizers	12 80
Teaming	10 00
Grass-seed	3 40

 245 83

Eaton Square.

Labor	\$143 00	
Fertilizer	3 76	
Grass-seed	3 40	
		\$150 15

Mt. Bowdoin Green.

Labor	\$221 00	
Bulbs	70 13	
Teaming	24 00	
Fertilizer	2 50	
Grass-seed	1 70	
		319 33

Dorchester Town Field.

Labor	173 00
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Public Ground, Magnolia Street.

Labor	\$88 00	
Grass-seed	1 70	
		89 70

Public Ground, Adams Street.

Labor	83 00
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Richardson Park.

Trees and shrubs	\$173 85	
Teaming	10 00	
		183 85

Peabody Square.

Labor	\$100 00	
Grass-seed	4 25	
		104 25

Tremlett Park.

Labor	89 36
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ROXBURY DISTRICT.

Washington Park.

Labor	\$819 00
Manure	323 61
Teaming	169 00
Loam	113 00

Blue gravel	\$91 50
Grass-seed	11 90

 \$1,528 01
Madison Park.

Labor	\$576 00
Teaming	70 00
Sod and grass-seed	54 35
Loam	52 00
Blue gravel	48 00
Manure	12 00

 812 35
Orchard Park.

Labor	\$415 00
Teaming	85 00
Loam	78 00
Sod and grass-seed	56 95
Blue gravel	42 00
Manure	36 00

 712 95
Bromley Park.

Labor	\$229 00
Sod and grass-seed	21 20
Teaming	17 50

 267 70
Fountain Square.

Labor	\$183 00
Team	10 00
Grass-seed	6 75
Fertilizer	3 75

 203 50
Cedar Square.

Labor	\$204 00
Teaming	10 50

 214 50
Longwood Park.

Labor	125 00
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Lewis Square.

Labor	110 00
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Walnut Square.

Labor	\$90 00
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Linwood Park.

Labor	134 00
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Public Ground, Centre and Perkins Streets.

Labor	80 00
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Public Ground, Warren Street.

Labor	\$85 00
Sod	6 75
	91 75

Martin School-house Yard.

Manure	3 30
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Soldiers' Monument Lot.

Labor	51 00
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BRIGHTON DISTRICT.

Brighton Square.

Labor	\$182 00
Teaming	12 00
Grass-seed	4 95
Fertilizer	3 75
	202 70

Jackson Square.

Labor	\$176 00
Bulbs	82 50
Teaming	10 00
Grass-seed	3 30
Fertilizer	2 50
	274 30

Fern Square.

Labor	\$112 75
Fertilizer	1 25
	114 00

Rogers Park.

Labor	\$470 00	
Red gravel	128 33	
Teaming	20 00	
Grass-seed	8 25	
Fertilizer	5 00	
		\$631 58

Playground.

Rent	200 00	
Total		\$94,295 76

SPECIAL APPROPRIATIONS.

City Nursery and Greenhouses, Storehouses, etc.

Labor	\$20 15	
Iron gate	125 00	
Cut granite posts	54 00	
Setting up and repairing iron fence	39 00	
Painting fence	34 50	
		\$272 65

Independence Square and Thomas Park.

Labor	\$50 46	
Repairing concrete walk and lay- ing new concrete gutters	1,997 00	
Laying new concrete walk around edges and approaches to Thomas Park	1,437 00	
Repairing iron fencing and catch basin	439 80	
One hundred new park settees	375 00	
Cut granite posts	181 50	
		\$4,480 76

Grading Richardson Park.

Labor	\$503 50	
Teaming	493 25	
		\$996 75

Playground, First Street.

Labor	\$439 15	
Teaming	15 00	
		\$454 15

Playground, Fellows Street.

Labor	\$490 04
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Highland Park.

(All work under this appropriation was performed by the City Engineer's Department.)

Labor	\$169 71
Gravel	200 00
Grading and seeding	145 00
Grass-seed	20 65
Rubber hose	14 00
Stone	12 00
Wire and staples	4 36
Teaming, etc.	7 50
	\$573 22

As a convenient reference, I append the following list of the seventy parks and squares which are in charge of the Department of Public Grounds, showing their respective localities and superficial areas :

CITY PROPER.

Common. — Park, Tremont, Boylston, Charles, and Beacon streets ; contains $48\frac{2}{5}$ acres ;¹ enclosed by an iron fence.

Public Garden. — Charles, Boylston, Arlington, and Beacon streets ; contains $24\frac{1}{4}$ acres ; enclosed by an iron fence.

Fort Hill Square. — Oliver and High streets ; contains 29,480 sq. ft.

Franklin Square. — Washington, East Brookline, East Newton, and James streets ; contains 105,205 sq. ft.

Blackstone Square. — Washington, West Brookline, West Newton streets, and Shawmut avenue ; contains 105,100 sq. ft.

Massachusetts Avenue. — Between Albany street and Harrison avenue ; contains 9,300 sq. ft.

Massachusetts Avenue. — Between Harrison avenue and Washington street ; contains 13,050 sq. ft.

Massachusetts Avenue. — Between Washington and Tremont streets ; contains 74,000 sq. ft. ; malls enclosed by an iron fence.

¹ Exclusive of cemetery, containing one and two-fifths acres.

- Massachusetts Avenue.*—Between Tremont street and Columbus avenue; contains 10,150 sq. ft.
- Concord Square.*—Between Tremont street and Columbus avenue; contains 5,000 sq. ft.
- Rutland Square.*—Between Tremont street and Columbus avenue; contains 7,400 sq. ft.
- Berwick Park.*—Off Columbus avenue, near N. Y., N. H. & H. R.R.; contains 3,800 sq. ft.; enclosed by granite curb.
- Greenwich Park.*—Off Columbus avenue; contains 4,100 sq. ft.; enclosed by granite curb.
- Union Park.*—Between Tremont street and Shawmut avenue; contains 16,000 sq. ft.; malls enclosed by iron fence.
- Worcester Square.*—Between Washington street and Harrison avenue; contains 16,000 sq. ft.
- Lowell Square.*—Cambridge and Lynde streets; contains 5,772 sq. ft.; enclosed by iron fence.
- Park Square.*—Columbus avenue, Eliot and Pleasant streets; contains 2,867 sq. ft.
- Montgomery Square.*—Tremont, Clarendon and Montgomery streets; contains 550 sq. ft.
- Pemberton Square.*—Between Tremont row and Somerset street; contains 3,390 sq. ft.
- Copley Square.*—Between Huntington avenue, Boylston and Dartmouth streets; contains 28,399 sq. ft.; enclosed by a granite curb.
- Between Huntington avenue, Trinity place, and St. James avenue; contains 5,410 sq. ft.; enclosed by a granite curb.
- City Hall Grounds.*—School street; contains 7,700 sq. ft.
- Square.*—Harrison avenue, between Union Park and Waltham streets; contains 3,000 sq. ft.
- St. Stephen's Square.*—At the corner of St. Stephen's and Batavia streets; contains 100 sq. ft.

SOUTH BOSTON.

- Telegraph Hill.*—Thomas Park; contains 190,000 sq. ft.
- Independence Square.*—Broadway, Second, M, and N; contains $6\frac{1}{2}$ acres; enclosed by an iron fence.
- Lincoln Square.*—Emerson, Fourth, and M; contains 9,510 sq. ft.; enclosed by an iron fence.
- Commonwealth Park.*

EAST BOSTON.

- Maverick Square.* — Sumner and Maverick streets ; contains 4,398 sq. ft. ; enclosed by stone curb.
- Central Square.* — Meridian and Border streets ; contains 40,310 sq. ft. ; enclosed by stone curb.
- Belmont Square.* — Webster, Sumner, Lamson, and Seaver streets ; contains 30,000 sq. ft. ; enclosed by an iron fence.
- Putnam Square.* — Putnam, White, and Trenton streets ; contains 11,628 sq. ft. ; enclosed by an iron fence.
- Prescott Square.* — Trenton, Eagle, and Prescott streets ; contains 12,284 sq. ft.

ROXBURY DISTRICT.

- Madison Square.* — Sterling, Marble, Warwick, and Westminster street ; contains 122,191 sq. ft.
- Orchard Park.* — Chadwick street, Orchard park, and Yeoman street ; contains 99,592 sq. ft.
- Washington Park.* — Dale and Bainbridge streets ; contains 396,125 sq. ft.
- Longwood Park.* — Park and Austin streets ; contains 21,000 sq. ft.
- Walnut Park.* — Between Washington street and Walnut avenue ; contains 5,736 sq. ft.
- Lewis Park.* — Highland street and Highland avenue ; contains 5,600 sq. ft.
- Bromley Park.* — From Albert to Bickford street ; contains 20,975 sq. ft. ; three enclosures.
- Fountain Square.* — Walnut avenue, from Munroe to Townsend streets ; contains 116,000 sq. ft.
- Cedar Square.* — Cedar street, between Juniper and Thornton streets ; contains 26,163 sq. ft.
- Linwood Park.* — Centre and Linwood streets ; contains 3,625 sq. ft. ; enclosed by stone curb.
- Public Ground.* — Centre and Perkins streets ; contains 3,200 sq. ft.
- Highland Park.* — Fort Hill avenue ; contains 114,065 sq. ft.
- Public Ground.* — Warren, James, and Regent streets ; contains 1,380 sq. ft. ; enclosed by granite curb.
- Public Ground.* — Junction of Huntington avenue, Tremont and Francis streets ; contains 1,662 sq. ft.
- Playground.* — Fellows street, between Hunneman street and Fellows place ; contains 25,000 sq. ft.
- Square.* — Albany street, near mall.

DORCHESTER DISTRICT.

- Dorchester Square.* — Meeting-House Hill ; contains 56,200 sq. ft. ; Soldiers' Monument on this square.
- Eaton Square.* — Adams and Bowdoin streets ; contains 13,280 sq. ft.
- Mt. Bowdoin Green.* — Top of Mt. Bowdoin ; contains 25,170 sq. ft.
- Richardson Square.* — Between Pond and Cottage streets ; contains 75,982 sq. ft.
- Public Ground.* — Magnolia street ; contains 3,605 sq. ft.
- Public Ground.* — Dorchester Field ;¹ contains 274,000 sq. ft.
- Public Ground.* — Adams street, near Pierce avenue ; contains 2,068 sq. ft.
- Public Ground.* — Adams street, near Cedar Grove Cemetery ; contains 700 sq. ft.
- Algonquin Square.* — Algonquin and Bradlee streets ; contains 1,728 sq. ft.
- Tremlett Park.* — Tremlett street, between Hooper and Waldick streets ; contains 7,107 sq. ft.

CHARLESTOWN DISTRICT.

- City Square.* — Head of Bow and Main streets ; contains 8,739 sq. ft. ; enclosed by stone curb and iron fence.
- Public Ground.* — Water street, Charles River avenue and Warren avenue ; contains 3,055 sq. ft. ; enclosed by a stone curb.
- Sullivan Square.* — Main, Cambridge, Sever, and Gardner streets ; contains 56,428 sq. ft.
- Winthrop Square.* — Winthrop, Common, and Adams streets ; contains 38,450 sq. ft. ; enclosed by an iron fence ; Soldiers' Monument on this square.
- Public Ground.* — Essex and Lyndeboro' streets ; contains 930 sq. ft.
- Public Ground.* — Bunker Hill and Vine streets ; contains 4,484 sq. ft.

WEST ROXBURY DISTRICT.

- Soldiers' Monument Lots.* — South and Centre streets ; contains 5,870 sq. ft.
- Public Ground.* — Top of Mt. Bellevue ; contains 27,772 sq. ft.

¹ Property of Gibson School Fund.

BRIGHTON DISTRICT.

Public Ground. — Pleasant and Franklin streets; contains 1,900 sq. ft.

Jackson Square. — Chestnut Hill avenue, Union and Winship streets; contains 4,300 sq. ft.; enclosed by stone curb.

Brighton Square. — Between Chestnut Hill avenue and Rockland street, and opposite branch of Public Library; contains 25,035 sq. ft.

Franklin Square. — Between Franklin and Fern streets; contains 1,900 sq. ft.

Rogers Park. — Foster street; contains 7 acres.

Greenhouses and Nursery Grounds. — Between Massachusetts avenue and East Cottage street, Dorchester; contains 102,531 sq. ft.

Storehouse Grounds. — Massachusetts avenue, adjoining location of N. Y. & N. E. R.R.; contains 96,375 sq. ft.



ANNUAL REPORT
OF THE
REGISTRY DEPARTMENT
FOR THE YEAR 1896.

Boston, Aug. 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In compliance with the ordinance, I beg leave to report that, according to our books, there were recorded for the year 1896,

16,484 births { including 224 children of parents usually residing out of this city.
22 born out of town of Boston parents.

7,043 intentions of marriage.

6,318 marriages solemnized in this city.

921 marriages of citizens married elsewhere in the States including 128 marriages of citizens married out of the State.

11,650 deaths.

688 still-born children.

As compared with previous years: —

	1893.	1894.	1895.	1896.
Births . . .	14,602	15,401	15,613	16,484
Intentions . . .	6,564	6,251	6,799	7,043
Marriages . . .	5,755	5,464	5,932	6,318
Deaths . . .	11,713	11,531	11,331	11,650

LEGISLATION.

The Legislature of 1897 passed several acts relating to the duties of town and city clerks and registrars, a part of which will be of benefit to the citizens of Boston. Chapter 439 in regard to the preservation of all public records, an act drafted by Hon. Andrew J. Bailey, will be found to be a concise and well-considered statute, affording protection to all books and papers which are worth preservation. It is a great improvement upon the former statutes and upon the various crude bills which have been offered from time to time.

Chapter 424 is an act calculated to prevent the alteration of notices of intention of marriage, after they have been given to the applicant.

In too many cases the groom, in his anxiety to get the license, will fill in particulars concerning the bride, from recollection or by guess. Then when the error is detected, he will alter the paper even to the extent of changing names or ages. The clause in regard to adopted children will ensure uniformity in the practice of clerks throughout the Commonwealth.

The designation of a clergyman solemnizing a marriage is hereafter to be one of three terms, viz., "minister of the gospel," "clergyman" or "priest," which will do away with the obscurity caused by the old term of "official position."

Chapter 444 represents the final decision of the Legislature upon the scheme for an alleged "codification" of the numerous statutes concerning the record of births, deaths and marriages. It is sufficient to say that it is verbose, and in many respects contradictory to laws passed at the same session. However, it is to be expected that the revision and codification of the Public Statutes, now in charge of competent commissioners, will afford relief in the future. The act goes into effect on Jan. 1, 1898.

I feel constrained to point out that certain provisions of law, which may be desirable in towns, are very burdensome and almost impracticable in Boston. The genealogical furor now prevalent and probably soon to cease, is perhaps, responsible for the requirement for the full maiden name of the mother of any person dying in this Commonwealth. It does not seem that any public end is gained by this information, certainly none to justify the cost of obtaining and recording it. The public will not suffer if the record does not contain the name of some European peasant who may have died a half-century ago, ignorant perhaps of even the

existence of Massachusetts. Moreover, in several countries, family names, in the English sense, are not used. But the law requiring such data to be recorded obliges us to have our books prepared accordingly, though it will be impossible to fill them. So again the requirement of a record in regard to a person deceased, as to whether divorced or not, is one which cannot be complied with in cities. It is matter of regret that the energy which has been expended on such details was not turned to the improvement of the law in regard to obtaining important facts in regard to deaths. At present our records are furnished by the undertakers who must hasten their inquiries in order to get a permit for the funeral. No attempt is ever made to test or correct these reports unless parties interested come to the office. In this respect the death records are inferior in accuracy to those of births and marriages.

The ordinary work of the office has been without special feature, but I think the public interest therein continues to increase. I am grateful for the cheerful assistance given us by physicians in the record of births, and by clergymen in the matter of marriages. Both classes seem to feel that they are aiding us in an important public duty, and that the laws in force are not too exacting.

ANCIENT RECORDS.

During the year 1896 good progress was made in printing documents. Volumes 26 and 27 of the Record Commissioners' Reports were finished and issued. We have now in press two volumes, nearly completed, one being Miscellaneous Papers, including Lists of the Early Freemen of the Colony, not easily accessible to the public, and detailed statements of losses incurred in the great fire in Boston in 1760. These last give a lively idea of the household property of our ancestors, covering, as they do, returns from all classes of people. The other volume is the record of Marriages in Boston, collated with the Banns, from 1700 to 1752. A second volume will complete these lists to 1800.

The second volume of the Mayors' Inaugural Addresses was completed and distributed, and work will be continued on a third volume. Copies of three of the earlier Reports of the Record Commissioners have been printed, and the plates of the whole series are now replaced.

The great antiquarian surprise of the year was the discovery, at the Boston Athenæum, of William Aspinwall's Notarial Record-book, from 1644 to 1652, and of a volume

of the records of the Court of Sessions for Suffolk from Oct. 31, 1671 to April 1, 1680. By vote of the Board of Aldermen the latter document is to be printed by the City Registrar, and Aspinwall's manuscript is now in the printer's hands.

The financial statement of this branch of the department is as follows:—

Balance Feb. 1, 1896	\$3,115 73
Appropriation 1896	3,000 00
	6,115 73
Printing, etc., 1896	3,028 87
Balance Feb. 1, 1897	<u>\$3,086 86</u>

RECORD COMMISSIONERS' ITEM.

150 copies 3d report	\$54 68
200 " 4th "	76 65
150 " 6th "	50 13
1,700 " 26th " (balance)	470 69
1,700 " 27th " "	806 61
Resetting pages and plates, 12th and 18th reports	735 10
Colonial Laws, resetting and plates	98 12
Mayors' Inaugurals, Vol. 2, 600 copies balance, ...	736 89
	<u>\$3,028 87</u>

Respectfully submitted,

WILLIAM H. WHITMORE,

City Registrar.

FINANCIAL STATEMENT.

Cash on hand Feb. 1, 1896 (City Doc. No. 48),	\$223 25
Appropriation for 1896	30,000 00

\$30,223 25

RECEIPTS.

Received for Marriage Licenses from Feb. 1,
1896, to Jan. 31, 1897, inclusive:

Nos. 566 @ 7,043, of 1896 = 6,478 certificates

Nos. 1 @ 521, of 1896 = 521 "

6,999 " @ 50c. = 3,499 50

\$33,722 75

EXPENDITURES.

Salaries, regular employees	\$20,397 98
Collecting births of 1895	1,733 87
Extra work on Indexes	580 13
Binding records in office	1,399 63
Printing and stationery	1,531 11
Sundries	484 53
Transfer by Auditor January, 1897	3,872 75

\$30,000 00

Paid physicians for 11,829 births at 25c.
reported from Feb. 1, 1896, to Feb. 1,
1897, as per vouchers paid in by me to the
Auditor, viz.:

Feb. 1 to May 30, 1896	\$799 25
June 1 to Sept. 30, 1896	932 25
Oct 1, 1896, to Feb. 1, 1897	1,225 75

2,957 25

Cash paid City Collector, per voucher, Dec. 31, 1896	500 00
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\$33,457 25

Cash balance Feb. 1, 1897 265 50

\$33,722 75

Respectfully submitted,

WILLIAM H. WHITMORE,
City Registrar.

APPENDICES.

APPENDIX A.

PERSONS PROMINENT ON ACCOUNT OF AGE OR SERVICE WHO DIED IN 1896.

DATE OF DEATH.		AGE.
1896.		
Jan.	1 Robert Sylvester	81
	1 Daniel Heavey	80
	2 Lenthel Phillips	81
	2 Mary A. M. Laurence	81
	2 Elizabeth A. Blanchard	77
	3 Joanna F. Rising	83
	3 Rebecca B. Dixey	75
	3 Frederic A. Gould	81
	3 Nathaniel G. Clark (Rev.)	70
	3 Bridget Casey	87
	4 George Spring	74
	5 Mary Fitton	80
	5 Robert J. Farnsworth	75
	6 Lucy H. Hale	77
	6 Isabella Carroll	79
	6 Elizabeth Pascal	80
	6 Edward W. Odlin (Editor)	36
	7 Betsey A. Payne	79
	7 Susanna Devetier (colored)	83
	9 George Golbert	82
	9 Ann Bainbridge	91
	10 Charles W. Oliver	85
	10 Sarah D. Holt	75
	10 Joanna Coakley	84
	10 Francis F. F. Goeckeritz (M.D.)	71
	10 Myra de Normandie (M.D.)	35
	11 Catherine McLean	89
	11 John P. Spaulding	63
	12 Jeremiah O'Leary	80
	12 Barbara Wallburg	87
	12 Jacob Buerk (Inventor)	73
	12 Thomas L. Vose (Officer at Deer Island)	90
	13 Mary F. Sargent	80
	13 Perkins H. Bagley	81
	14 Phebe H. Woodward	102
	15 George Cutler	83
	16 Susan Boyle	82
	16 Harriet Goldsmith	76
	16 Maximilia S. Hovey	76
	16 Catharine Welch	86
	16 George W. Pope	74
	16 William H. Whitaker	77
	17 Hannah Denehy	81
	17 Lydia R. Cook	75
	17 Emeline Tileston	79
	17 Martha Knott	87

DATE OF DEATH.

AGE.

1896.

Jan.	17	Moses Woolson	74
	18	David T. McKown	85
	18	Henry Stone	65
	19	Oliver N. French	76
	19	Caroline M. Blanchard	76
	19	Mary A. Pfaff	84
	19	Ann Bird	84
	19	Francis T. Church	63
	19	Charlotte Babcock	84
	20	Anne Cummings	82
	20	Benjamin Cragin	81
	20	Benjamin F. Richardson (M.D.)	63
	21	Charlotte H. Andrews	80
	21	David Rosengarten	86
	23	Hannah B. Warren	78
	24	Mary T. Horton	84
	25	Abby L. Potter	85
	25	Margaret Leary	80
	26	Mary A. Clark	83
	27	James Meade	85
	27	Margaret Coffey	81
	28	Bridget Murray	80
	28	Bridget Maguire	90
	28	Eliza A. Bickum	89
	28	Rebecca Norris	82
	31	Catharine Welch	108
	31	Ellen McNamara	85
	31	Conrad Ochs	84
Feb.	2	William Wooley (Ex-Alderman)	65
	2	James McGonigle	77
	2	Mary Telford	88
	3	Alexander Bornstein	77
	4	Moses Fairbanks (Ex-Alderman)	79
	5	George S. Pendergast	80
	5	William S. Carpenter (Captain U. S. Navy)	56
	6	William G. Russell (Lawyer)	74
	7	Christopher Lloyd	83
	7	Mary E. Capen	76
	7	Alfred Emerson	83
	8	Nathaniel N. Bates	78
	9	Ruth B. Goldsmith	87
	9	Richard M. Hodges (M.D.)	69
	9	Ann G. Butler	84
	10	Ellen Glassett	88
	10	William H. Holland	84
	12	Ann Cunningham	82
	12	Sarah Allen	76
	12	Mary Cangle	80
	12	Ellen Duffy	86
	13	Sophia T. Seaverns	90
	13	Louisa Stevens	81
	14	Susen C. McLeod	82
	14	Margarett W. Pratt	87
	14	Anne Connell	79
	16	Joseph R. Gordon	83

DATE OF DEATH.

AGE.

1896.

Feb.	17	Maria A. Stevens	82
	17	Elizabeth Lindenberg	77
	17	Mary Holland	79
	17	Samuel Hazlewood	84
	17	Trueman B. Towne (Lawyer)	47
	18	Mary H. Baldwin	91
	18	Alonzo A. Fogg	75
	19	Adam Weiffenback	81
	19	Amy H. Ricketson	80
	20	Ebenezer Wyman	82
	21	Rachel N. Ambler	79
	21	Hanora Stammers	90
	21	Fannie Cannon	80
	22	Nathaniel Turner	85
	22	Abigail Grant	87
	22	Patrick Brennan	81
	23	Paola Vigniale	80
	23	Aurella Bond	89
	23	Harriet N. Harding	79
	24	Henry P. Grace (U.S. Navy)	64
	24	John Coughlin	79
	25	Mary G. Estabrook	84
	25	Elizabeth Tubbs	83
	25	John L. Sinclair	91
	25	Caroline E. Chapin	87
	25	Nelson Vaughn	88
	26	Mark A. Blaisdell (Lawyer)	54
	26	Sarah Morse	82
	26	Abbie G. Baker	81
	27	Edward Harold	90
	28	Thatcher Goddard	44
	28	Sophia Haskins	91
	28	Ann Matthews	87
	29	Ellen Killion	92
March	1	David Fine (Teacher)	59
	1	Eliza Grimes	81
	2	Fannie Davis	86
	2	Sarah S. Marvin	81
	3	Mary Costello	86
	4	Elizabeth Baker	87
	4	Cornelia A. Pino	88
	5	Samuel T. Birmingham	96
	6	Hannah Waitt	82
	6	Henry T. Bliss	76
	7	Esther McFarland	86
	7	Martha H. Lewis	83
	7	Margaret Murray	92
	8	Sarah A. Guernsey	79
	10	Robert LaRose	80
	10	Agnes McOnie	80
	11	Harriet S. Very	77
	11	Margaret Kinney	82
	12	Catherine S. Lincoln	78
	14	Theodore Hutchings	74
	15	Charles H. Gates	79

DATE OF DEATH.

AGE.

1896.

March	15	Sophia Hunter	83
	15	M. Louisa Putnam (Teacher)	71
	16	Winthrop Sargent (M.D.)	73
	16	Harriet R. Mallory	85
	16	Bridget McMahon	85
	16	John L. Coffin	77
	17	John M. Sullivan	83
	17	Elvira C. Ward	88
	19	George F. Estabrook	82
	19	Nathan Clark	85
	20	Julia McGettrick	86
	20	Ann E. Cabot	84
	20	James Wallace	85
	21	Thomas Scully	92
	21	Roxanna Davis	81
	21	John B. Lane	76
	21	Oliver F. Stebbins	77
	21	Catherine Hayes	80
	22	Julia A. Bascom	79
	23	Joseph W. West	88
	23	Edward L. Grueby	87
	26	Mary E. Kavanaugh	82
	26	Sally A. Dwight	80
	26	James E. Farwell	77
	27	Susan M. Dolby	83
	27	Ellen Sweeney	90
	27	Lyman S. Hapgood	73
	27	Benjamin F. Hammond	82
	27	Miles S. Cahill	72
	27	Nahum J. Baldwin	72
	28	Patrick Colbert	79
	28	Charles S. Damrell	69
	29	Lucy Thomas	103
	30	Henry T. Dyer	79
	30	Anasthasie Bardin	82
	30	Burnham Royce (Constable)	74
	31	Nathan S. Cleveland	74
	31	Augustine W. Wood	76
	31	James Daley	85
April	1	Annie L. Dawes	82
	1	Otise Locke	80
	1	Josiah J. Wakefield (M.D.)	70
	2	Herman B. Stover	71
	3	Thomas F. Wyman	86
	3	Leslie A. Phillips (M.D.)	48
	4	Charles Nutter	82
	4	Solomon H. Spaulding	82
	5	Hyman Weiss	77
	5	Ann Kearns	86
	5	Alfred H. Sumner	86
	6	Eliza A. Moore	85
	6	Calvin A. Hill (M.D.)	75
	6	Sarah B. Hyde	84
	7	Elizabeth L. Means	86
	7	Aaron B. Babcock	72

DATE OF DEATH.

AGE.

1896.

April	8	William Clark	.	.	.	.	.	.	.	86
	8	Augustus Bacon	.	.	.	.	.	.	.	80
	8	Mary J. Hicks	.	.	.	.	.	.	.	79
	8	Mary A. Duncan	.	.	.	.	.	.	.	84
	9	Joseph H. Cassin (Rev.)	.	.	.	.	.	.	.	60
	9	Edmund G. Barney	.	.	.	.	.	.	.	75
	9	Robert W. Newell (M.D.)	.	.	.	.	.	.	.	81
	10	Mary Maloy	.	.	.	.	.	.	.	86
	10	Solomon Poons	.	.	.	.	.	.	.	82
	10	Bridget Heath	.	.	.	.	.	.	.	95
	10	Mary H. Hall	.	.	.	.	.	.	.	81
	11	Rebecca Levy	.	.	.	.	.	.	.	90
	11	David Shurtleff (Rev.)	.	.	.	.	.	.	.	77
	11	Mary Wilson	.	.	.	.	.	.	.	81
	12	John S. Whiting (M.D.)	.	.	.	.	.	.	.	67
	12	Ellen Preston	.	.	.	.	.	.	.	80
	12	Jane D. Henry	.	.	.	.	.	.	.	84
	13	Isabella Crowe	.	.	.	.	.	.	.	87
	14	James Cannon	.	.	.	.	.	.	.	85
	15	Benjamin G. Blanchard	.	.	.	.	.	.	.	85
	16	Tabitha Witherell	.	.	.	.	.	.	.	82
	16	James L. Townsend	.	.	.	.	.	.	.	81
	17	Maria Sawyer	.	.	.	.	.	.	.	90
	17	Catharine Miller	.	.	.	.	.	.	.	83
	18	John Stetson, Jr	.	.	.	.	.	.	.	62
	18	William H. Barnes	.	.	.	.	.	.	.	81
	18	Elizabeth S. Clapp	.	.	.	.	.	.	.	76
	19	Henry Humphreys	.	.	.	.	.	.	.	95
	19	Cordelia R. Danforth	.	.	.	.	.	.	.	77
	22	Mary A. Burke	.	.	.	.	.	.	.	82
	23	Sarah Howe	.	.	.	.	.	.	.	78
	24	John Harney	.	.	.	.	.	.	.	83
	24	Susan M. Stackpole	.	.	.	.	.	.	.	81
	24	Martha Patterson	.	.	.	.	.	.	.	86
	24	Harriet S. Fuller	.	.	.	.	.	.	.	76
	26	William Barrett	.	.	.	.	.	.	.	90
	26	Phebe M. Gregory	.	.	.	.	.	.	.	80
	26	Harriet A. Chapin	.	.	.	.	.	.	.	76
	26	John H. Morison (Rev.)	.	.	.	.	.	.	.	87
	27	Catharine P. Chittenden	.	.	.	.	.	.	.	81
	27	Horace W. Latimer	.	.	.	.	.	.	.	87
	27	George Lowther	.	.	.	.	.	.	.	86
	27	Mary J. Bigelow	.	.	.	.	.	.	.	85
	28	Sophia B. French	.	.	.	.	.	.	.	79
	28	Henry L. Fowle	.	.	.	.	.	.	.	85
	28	James J. Walworth	.	.	.	.	.	.	.	87
	28	Louisa L. Brockway	.	.	.	.	.	.	.	86
	29	Carrie A. Cooke (Teacher)	.	.	.	.	.	.	.	40
	29	James Woods	.	.	.	.	.	.	.	90
	30	John Coakley	.	.	.	.	.	.	.	80
	30	Curtis Trask (Ex-Policeman)	.	.	.	.	.	.	.	67
May	1	Ann Kenney	.	.	.	.	.	.	.	85
	1	Ellen Sherry	.	.	.	.	.	.	.	80
	2	Eleazer Pope	.	.	.	.	.	.	.	81
	2	Granville S. Mendell (Fire-Alarm Operator)	.	.	.	.	.	.	.	61

DATE OF DEATH.

AGE.

1896.

May	2	Harriet B. Otis	77
	3	Martha J. Dow	81
	4	Mary A. Heavey	87
	4	Eliza M. Hoyt	83
	4	Margaret Landregan	79
	5	Daniel Barr	79
	6	Mary A. Flagg	81
	6	Jane Nixon	92
	6	Patrick Kain	86
	6	Hannah A. Brigham	82
	6	Mary P. Chase	79
	8	Johanna Hollihan	79
	8	Julia O'Connell	86
	8	Lydia A. G. Ellison	79
	8	Bernard Connolly	79
	8	Philip Sowdon	79
	8	Edmund P. Dolbeare	81
	9	Edward T. Loring	81
	9	Jane Sproul	89
	10	Benjamin T. Young	82
	10	James Keefe	85
	10	Orlando Austin (Policeman)	59
	10	Thomas J. Canavan (Policeman)	26
	10	Elizabeth McCaffrey	97
	10	Emily W. Cook	78
	10	Abigail Pierce	86
	11	Mary Denison	81
	11	Annie E. Reed (Teacher)	49
	12	Hannah E. Gleason (Teacher)	48
	12	Catherine Hunt	78
	13	Jane Moorhead	79
	13	Amory H. Tyler (Rev.)	72
	13	Rhoda D. Frost	82
	15	John Barrett	83
	16	Jerusha Burr	96
	17	Mary J. Stoddard	82
	18	Eliza Linsley	85
	18	Ann Cummings	92
	21	Mary J. Musgrave	86
	22	Elizabeth S. Fisher (Teacher)	52
	22	Pierce Strange	79
	22	Edward K. Baxter (M.D.)	56
	22	Ellis B. McKenzie	85
	24	Mary Shay	90
	24	Addison Browne (Rev.)	72
	24	Bridget McNeil	82
	25	Charlott A. Lyman (Teacher)	65
	25	Joanna L. Taber	83
	25	John Pearce	80
	26	Elias Crafts	89
	26	Alexander Vannevar	80
	27	James P. Haskins	78
	28	John Keohan	87
	29	Anna P. Loring	80
	29	Louise Winder (colored)	96

REGISTRY DEPARTMENT.

15

DATE OF DEATH.		AGE.
1896.		
May	29	Julia Crowley 84
	31	Daniel W. Glidden 85
	31	Margaret F. Granger 79
June	1	Helen M. Smart 85
	2	Elizabeth A. Robinson 78
	2	William F. Richardson 79
	3	Thomas J. Bourne 81
	3	Volney Wilder 91
	3	Martha A. Kingham 80
	4	Helen C. Bradlee 77
	4	Michael Kennedy 83
	5	Catherine Rowan 80
	5	Chauncy Squaires 71
	6	Frinda Bailey 81
	7	John Gillespie (M.D.) 35
	7	Joseph D. Smith 79
	7	Frances Magee 94
	7	James Gately 87
	8	Emmeline G. Hayward 79
	10	Rachel H. Smith 87
	10	George Morse 79
	10	Mary B. Walcott 85
	11	Zebulon E. Coffin 78
	11	Caroline M. Barker 97
	13	Lucy E. Herring 89
	13	Susan A. Rice 83
	13	Henry Alexander (colored) 84
	14	Bridget Mooney 80
	14	Sarah Donnelly 90
	16	Cora Y. McGill (M.D.) 31
	17	Edwin J. Wetmore (Game Com.) 67
	18	Maria Demerest 89
	18	Thomas Sheehan 79
	19	Fanny Emery 79
	20	John McElroy 83
	20	Horace Dodd 93
	20	Robert W. Bibber 70
	20	Almira F. Winslow 80
	21	Benejah Cross 85
	21	Patrick Gately 80
	22	Mary Gibson 96
	22	Sarah Lord 95
	23	Robert Bampton 83
	23	Paul B. Eltz 78
	24	Hannah Remie 80
	26	Rebecca W. Faunce 83
	27	Elizabeth A. Saville 81
	29	Frances Upham 85
	29	John E. Larned 79
July	1	Eli Simonds 78
	2	Catherine Connaughton 82
	3	Rosanna Dore 83
	3	Ann Coleman 98
	4	William Burke 82
	4	James Somes 88

DATE OF DEATH.

AGE.

1896.

July	6	Catherine P. Shailer	81
	7	Nathan F. Fuller	76
	8	Nora Bradley	90
	9	James M. Ballard	80
	9	Mary A. Lincoln	83
	9	Charles H. Crosby	77
	9	Amity Stinson	85
	9	Randall Jones (colored)	84
	10	Oliver Libby	77
	10	Elizabeth Jennings	80
	10	Sarah Dougherty	80
	10	Elizabeth M. Copeland	88
	11	Mary McCarthy	85
	11	Joanna Ayers	80
	11	Sally J. Winn	80
	11	William H. Robinson, of New York (Rev.)	34
	13	George P. Smith	72
	13	Peter M. Macdonald (Rev.)	50
	14	Lucy Winston	97
	15	William B. McKenney	80
	15	John Leahy (Deputy Sheriff)	61
	16	Owen K. Harkins	79
	17	Thomas Brown	91
	18	Thomas Leavitt	85
	18	Dennis Fitzpatrick	80
	19	George M. Brown	82
	19	Catharine Bubier	79
	20	Martin Whalen	82
	20	Leopold D. Hohenstein	85
	20	Delia E. J. Durant	82
	20	Margaret Maloney	82
	20	Catherine Doherty	80
	20	John Gayron	80
	21	Susan E. Fenno	82
	23	Manuel Cabral	95
	27	Charles Whitechurch	80
	27	Eliza Jelly	84
	27	Horace K. Batchelder	78
	28	George Dodge	79
	28	Lewis J. Gray (Master Mariner)	77
	29	Mary E. Conrad	80
	29	Catherine McLaughlin	82
	30	Harriet N. Judson	79
	31	Thomas C. Savory	78
Aug.	1	Mary Green	96
	1	Elijah Stearns	83
	2	Abraham Sereque	91
	2	Mary Sullivan	90
	3	Mary J. Parker	78
	4	Catherine E. Hock	88
	4	Clara Moore	80
	4	Walter J. Dobbins	77
	5	Mary G. Randall	86
	6	William Butterfield	83
	6	Ann Connelly	80

REGISTRY DEPARTMENT.

17

DATE OF DEATH.

AGE.

1896.

Aug.	7	Catherine Gerrity	85
	8	George R. Kramer (Rev.)	57
	8	William C. Smith	86
	9	Daniel Boyle	90
	10	Albert B. Hill	87
	10	Ellen Sullivan	83
	10	Daniel Meehan	86
	10	Mary Linnehan	80
	10	Betsey T. Davis	79
	11	Mary Bergen	82
	11	Elizabeth Watson	89
	12	Ann Halfpenny	86
	12	James D. Blacker	86
	13	Mary Winchell	82
	13	Catherine Lane	80
	14	Charlotte T. Jewett	81
	15	Margaret Palmer	87
	15	Susan E. Wood	84
	15	William G. Moseley	97
	17	John Lightner	86
	17	Ellen McCormick	85
	18	Eliza Lang	82
	19	Tamar Anderson	81
	21	Ann E. Webster	85
	21	Sarah E. Story	81
	21	Rebecca Mott	80
	24	Owen Mullane	80
	24	Daniel Ginn	85
	25	Edward Richards	79
	27	Howard W. Atkins	78
	28	Frank Lynch	86
Sept.	1	Charles C. Conley	85
	2	Frederick W. Coolidge	80
	2	Catherine Whelan	83
	2	Almira B. Smith	79
	3	Margaret Hunt	86
	8	Catherine Parker	80
	8	James Gerrard	82
	9	Jane Wood	88
	10	Mary A. Davis	87
	10	William B. Fifield (M.D.)	68
	11	Edward Grace	79
	11	Francis J. Child (Professor Harvard College)	79
	11	Sarah A. Perkins	83
	12	Mary E. Curtis	93
	13	Elizabeth R. Davies	88
	13	Charles L. Randall (Physician)	55
	13	Margaret Connolly	86
	14	Polly Daniels	81
	15	Ezra B. Dickinson	80
	16	Abigail Vaughn	90
	16	Walter S. Robinson	79
	18	Theodore Dunn	83
	20	William Clark	88
	20	William Laverson	86

DATE OF DEATH.

AGE.

1896.

Sept.	21	Seth Williams	91
	23	Martha G. Wentworth	81
	23	Sarah A. Carnes	82
	27	John M. Illingworth	80
	27	Louisa Wetherbee	86
	28	Ellen Barry	84
	29	Catherine Surpluss	80
	29	Olson F. Poole	79
	30	Margaret Mullin	91
Oct.	1	Mary A. Howe	81
	2	Ellen Hickey	80
	2	Henry St. J. Godbold	82
	3	Ezra Young	79
	4	Milicent H. Hall	90
	4	Jesse Hitchcock	78
	5	Rose Ryan	97
	9	Martha A. Bredeen	84
	9	Jeremiah Preble	81
	12	Joseph W. Page	85
	12	Isabella G. B. Patterson	83
	13	Margaret T. Waterbury	81
	13	Catherine Kelley	84
	14	Thomas Carney	81
	15	Elizabeth G. Phelps	93
	16	Mary Scott	89
	16	Hannah Ordway	91
	17	Duncan McLean	85
	17	Catherine Daley	80
	17	Fidelia Buck	81
	18	Mary Kilroy	90
	20	Elizabeth H. Upham	83
	20	Rebecca Cormey	84
	21	John Wilson	85
	21	Patrick Feeney	85
	22	Mary J. Seavey	82
	22	John H. Fowler	79
	23	Isabella Burk	82
	23	Jerusha S. Kenison	83
	24	Jemima Hodges	79
	26	Joanna Hogan	86
	27	Emma A. Turnbull (M.D.)	44
	27	James Crosby	76
	28	Charles F. McCann (M.D., of New York City)	33
	30	Stephen S. Andrews	81
	31	Ann Carl	80
Nov.	1	Eliza R. Holmes	80
	2	Ann Batchelor	86
	2	William Downing	81
	3	John H. Collamore	79
	3	Lucy G. Card	83
	4	Alonzo H. Quint (Rev.)	68
	4	Agnes H. A. Clark	90
	5	Sophia E. Stillings	84
	6	William C. Holyoke (M.D.)	54
	6	Frederick Gleason	80

DATE OF DEATH.

AGE.

1896.

Nov.	6	Michael Mitchell	81
	7	Henry E. Parker (Rev.)	75
	7	Luman B. Parkhurst (M.D.)	52
	7	Coleman Cook	74
	7	Benjamin F. Butler	86
	8	John Moore	79
	8	Mary Hilsebusch	80
	8	Henry Richards	81
	9	Elizabeth O'Connell	89
	10	Samuel A. Gray	76
	11	Margaret Dooley	80
	12	Emily A. Spiller	79
	12	Luther Farwell	86
	13	Charles W. Hill (Teacher)	62
	13	Alfred C. Godfrey (Rev.)	77
	13	Louis Zepfler	79
	13	Augustus Thorndike	84
	13	Nelson Jenney	83
	14	Bridget Gannon	80
	15	Timothy Crowley	81
	15	Lucy C. Freedly	84
	16	George Fowler	84
	17	Ellen O'Hearn	80
	17	William T. Hart	79
	18	Hugh Gallagher	86
	19	Peter Freeman	84
	20	Abigail P. Glover	86
	21	Mary Battles	84
	21	Horace B. Sargent, Jr. (Lawyer)	49
	21	John P. Lynch (U.S. Detective)	71
	22	William Lennon	84
	23	Lorenzo F. Langan	81
	23	Margaret N. Webster	92
	23	James Ball	79
	25	Martha Fountain	86
	27	John W. Cook	79
	27	Rachel A. Smith (Matron)	77
	28	Isham Harris	85
	28	Michael Foley	87
	29	Oliver Crane (Rev.)	74
Dec.	1	Margaret B. Phippen	81
	2	William J. Green	87
	3	Lewis Johnson	91
	3	Mary F. Davis	86
	3	Stevens G. Palmer	81
	3	Matthew Cheney	75
	4	Sarah Butler	85
	4	Nancy Lennon	83
	6	Alfred A. Hall	86
	6	Phebe K. Gibbs	88
	6	Elizabeth T. L. Warren	84
	7	Polly K. Knowles	90
	7	Sylvester E. Partridge	78
	7	Charles Farrell	86
	9	William Hendry	82

DATE OF DEATH.

AGE.

1896.

Dec.	9	Catherine Francis	84
	9	Maria Curtis	86
	10	Adolph G. Roeth (M.D.)	45
	11	James R. Kendrick	63
	11	Eleanor A. Clark	81
	12	Sarah K. Safford	85
	13	Clarina S. Blake	83
	14	Susan D. Story	79
	15	John McNamara	80
	15	George S. Putnam	77
	16	Edward O'Malley	98
	17	Elmira Bradley	86
	17	Moses Proctor	75
	17	Alverse L. White	83
	17	William Miller	86
	17	Elizabeth Robertson	81
	18	George W. Strout	86
	19	Jane Fulghum (colored)	83
	19	Lydia O. Fox	85
	19	Olive Wildes	90
	20	Samuel C. Appleton	80
	20	Mary Lang	82
	20	Philip Mayer	71
	21	Howland Otis	79
	21	Ruth H. Spear	93
	21	Alvin B. Butterfield	77
	22	Edward W. Wilder	81
	22	Mary Crozier	82
	22	Ann E. Jones	96
	23	Elizabeth A. Downing	86
	24	Mary A. Lawrence	96
	24	Harriet A. Stevens	79
	25	Susan A. Gay (M.D.)	72
	25	Wyzeman Marshall	80
	25	Sarah A. Hall	85
	25	Elizabeth A. West	80
	26	Jacob E. Hosmer	76
	26	Gerald Sickles	85
	26	Ellen Keenan	95
	26	Stephen A. Stackpole (ex-Alderman)	78
	27	Isaac S. Morse	80
	27	Ann E. Kimball	79
	28	Thomas M. Lang	84
	29	Frederick Ockerhausen (M.D.)	81
	29	Catharine C. Schmalhof	84
	29	Edward Avery (Lawyer)	69
	30	Martha Smith	86
	31	Marshall Johnson	79

Residents of Boston, who died elsewhere.

Aug.	2	Lorenzo Stevens (Taunton)	85
Sept.	13	Ellen Holden (Swampscott)	80
	14	Charles Wheeler (ex-Councilman, Oxford, N.H.)	57
Oct.	7	Spencer Nolen (Sherborn)	87

APPENDIX B.

INTRODUCTION.

For many reasons it seems desirable to collect in chronological arrangement, the laws relating to marriages and the registration thereof, from the date of the establishment of the Commonwealth.

The history of the marriage laws prior to that date has been admirably set forth by Chief Justice HORACE GRAY of our Supreme Court, in the case of *Commonwealth v. Munson*, decided in Oct., 1879, and reported in 127 Mass. Reports.

With the consent of the Reporter of Decisions, the opinion is given in full.

W. H. W.

OPINION OF THE SUPREME COURT IN THE CASE OF
COMMONWEALTH *v.* MUNSON.

GRAY, C. J. In Massachusetts, from very early times, the requisites of a valid marriage have been regulated by statutes of the Colony, Province, and Commonwealth; the canon law was never adopted; and it was never received here as common law, that parties could by their own contract, without the presence of an officiating clergyman or magistrate, take each other as husband and wife, and so marry themselves. *Milford v. Worcester*, 7 Mass. 48, 53. 2 Dane Ab. 291, 301. 2 Winthrop's Hist. New England, 43. This clearly appears on tracing the history of the legislation upon the subject; the whole of which, whether repealed or unrepealed, is by a familiar rule to be considered in ascertaining the intention of the Legislature. *Church v. Crocker*, 3 Mass. 17, 21. *Eaton v. Green*, 22 Pick. 526, 531. *Commonwealth v. Bailey*, 13 Allen, 541, 545.

As early as 1639, it was "ordered and declared" by the General Court, "that there be records kept of the days of every marriage, birth and death of every person within this jurisdiction." 1 Mass. Col. Rec. 276. Anc. Chart. 43. In 1642, it was enacted that "the magistrates and other persons appointed to marry shall yearly deliver to the recorder of that court which is nearest to the place of their habitation the names of such persons as they have married, with the days, months and years of the same; and the said recorders are faithfully and carefully to enrol such marriages as shall thus be committed to their trust;" and in 1644,

every new-married man was required "to bring in a certificate of his marriage, under the hand of that magistrate which married him, to the clerk of the writs," to be recorded. 2 Mass. Col. Rec. 15, 59. Mass. Col. Laws (ed. 1660) 68; (ed. 1672) 130. Anc. Chart. 181.

The requisite of solemnization before a magistrate or other authorized person, as essential to constitute a valid marriage, which had been clearly implied in these statutes, was distinctly expressed in the following statute of 1646: "As the ordinance of marriage is honorable amongst all, so should it be accordingly solemnized. It is therefore ordered by this Court and authority thereof, that no person whatsoever in this jurisdiction shall join any persons together in marriage, but the magistrate, or such other as the General Court or Court of Assistants shall authorize in such place where no magistrate is near. Nor shall any join themselves in marriage, but before some magistrate or person authorized as aforesaid. Nor shall any magistrate, or other person authorized as aforesaid, join any persons together in marriage, or suffer them to join together in marriage in their presence, before the parties to be married have been published according to law." Mass. Col. Laws (ed. 1660) 52; (ed. 1672) 102. Anc. Chart. 152.

In 1656 and 1658, the "commissioners for ending small causes in the several towns where no magistrate dwells" were "authorized and empowered to solemnize marriage between parties legally published;" "and all other commissions in this case are hereby made void." 4 Mass. Col. Rec. pt. i. 255, 322. Anc. Chart. 152. The provision of the St. of 1646, prohibiting persons to join themselves in marriage, except before a magistrate or other authorized person, continued in force throughout the period of the colony charter.

By the Prov. St. of 1692-3 (4 W. & M.) c. 25, "every justice of the peace within the county where he resides, and every settled minister in any town, shall and are hereby respectively empowered and authorized to solemnize marriages, within their respective towns and counties, betwixt persons that may lawfully enter into such a relation, having the consent of those whose immediate care and government they are under, and being likewise first published" as therein directed; and "every justice and minister shall keep a particular register of all marriages solemnized before any of them, and make a return thereof" quarterly to the clerk of the sessions of the peace of the county, to be by him registered. 1 Prov. Laws (State ed.) 61. Anc. Chart. 242.

By the Prov. St. of 1695-6 (7 W. III) c. 2, § 4, "for the better preventing of clandestine marriages," it is enacted that "no person other than a justice of the peace, and that within his own county only, or ordained minister, and that only in the town where he is settled in the work of the ministry, shall or may presume to join any persons together in marriage; nor shall any justice or minister join any person in marriage other than such one or both of whom are inhabitants or residents in such county or town respectively;" with more specific provisions as to publication of banns and consent of parents and guardians, and a further provision that any justice, minister or other person offending

against this act shall suffer a penalty, and be "forever after disabled to join persons in marriage," and be also liable to an action by the parent or guardian. 1 Prov. Laws, 209, 210. Anc. Chart. 283.

By the Prov. St. of 1716-17 (3 Geo. I.) c. 16, after reciting in the preamble the principal passage above quoted from the act of 1695-6, it is enacted that "the power granted ministers to join persons together in marriage be hereby enlarged, so as that where there shall be no settled ordained minister in any town or precinct, or where the only settled ordained minister of any town or precinct is himself to be married, it shall and may be lawful in such cases for the next settled ordained minister in another town within the same county to join in marriage the minister, or inhabitants of such town or precinct destitute of such settled ordained minister, if such minister or inhabitants desire it, according to the rules prescribed by the laws of this Province for the consummating marriages;" and penalties are imposed on ministers and clerks neglecting to return or record marriages. 2 Prov. Laws, 60. Anc. Chart. 416.

So by an act of 1773 (13 Geo. III.) the authority of each minister of the Church of England within the Province to join persons in marriage, (which had previously been limited to persons belonging to the town in which the minister himself dwelt,) was not only extended to include persons usually worshipping with him and whose ministerial taxes he had a right by law to receive, although not belonging to the same town; but it was enacted that "where any minister of the Church of England is himself to be married, or where such minister shall be removed by death or otherwise, so that the religious society of Christians in which he presided shall be destitute of a minister, it shall be lawful in such cases for the next minister within the Province of the same denomination to join in marriage the minister, or any of the people constituting such religious society who may lawfully enter into such a relation." Mass. Perpetual Laws (Supplts. to ed. 1759) 632. Anc. Chart. 679.

These statutes plainly signify that by the law of the Province even a minister, authorized to solemnize marriages between other persons, could not marry himself.

The only other statutes of the Province which have come to our notice are one of 1727 (1 Geo. II.) providing for the publication of banns of persons residing in places where there was no town clerk, and one of 1763 (3 Geo. III.) concerning the powers of ministers whose parishes were made out of two or more adjacent towns. 2 Prov. Laws, 464. Mass. Perpetual Laws (Supplts. to ed. 1759) 444. Anc. Chart. 462, 655.

The Province laws on this subject remained in force until after our Revolution; and it was before they had been changed by any statute of the Commonwealth that the marriage took place, the validity of which was brought in question in the leading case of *Milford v. Worcester*, 7 Mass. 48. In that case it appeared that in 1784 a man and a woman went together into a room where a justice of the peace happened to be, and in his presence, and before other witnesses, after producing a cer-

tificate that their intentions of marriage had been published the man declared that he took the woman as his lawful wife, and she declared that she took him as her lawful husband, and each made to the other the vows and promises usual in contracting marriages ; but upon the question whether this proceeding was directed and encouraged by the justice the evidence was conflicting. It was ruled by Mr. Justice (afterwards Chief Justice) Sewall at the trial, and held by the full court in an elaborate judgment delivered by Chief Justice Parsons, that, if the proceeding had not the sanction of the justice as a magistrate, the marriage was void, and neither the woman nor her children took the settlement of the man. The position that the marriage, though not solemnized pursuant to the statutes, was yet a lawful marriage, had between parties competent to contract marriage, and not declared void by any statute, was fully argued and considered ; and the court, while admitting the strength of that position in States the laws of which had prescribed no regulations for the celebration of marriages, was clearly of opinion that the provisions of our statutes, by necessary implication, prohibited persons from solemnizing their own marriages by any form of mutual engagement, or in the presence of any witnesses whatever.

The St. of 1786, c. 3, manifested no intention to change the law in this respect. While it expressly repealed all former laws relating to the solemnization of marriages, it substantially reënacted many of their provisions. It empowered justices of the peace within their counties, and stated and ordained ministers within their towns or parishes, to solemnize marriages ; provided that, when any such minister was himself to be married, it should be lawful for any other such minister within the same county to marry him ; required "all persons desiring to be joined in marriage" to have their intention published, and to "produce to the justice or minister who shall be desired to marry them" a certificate of such publishment ; obliged justices and ministers to keep records and make returns of the marriages solemnized by them ; and made persons illegally solemnizing marriages, or neglecting to make returns, subject to penalties, and to be thereafter disqualified from joining persons in marriage.

It also contained a new provision declaring marriages which had been or should be had and solemnized among Quakers or Friends, in the manner and form used and practised in their societies, to be good and valid in law, and requiring the clerk or keeper of the records of the meeting at which such marriages should be had and solemnized to make returns thereof. St. 1786, c. 3, § 7. This section, Chief Justice Parsons tells us, was enacted in consequence of the general opinion of lawyers that such marriages were void before. *Milford v. Worcester*, 7 Mass. 56.

The St. of 1786 (after being amended in some unimportant particulars by the Sts. of 1795, c. 7, 1817, cc. 61, 141, and 1820, c. 55) was repealed by the St. of 1834, c. 177, which contained similar provisions, but allowed resident ministers to solemnize marriages throughout the Commonwealth, and therefore omitted as unnecessary the specific pro-

vision of former statutes as to the marriage of ministers, and also declared — thereby clearly implying that some solemnization beyond the mere contract of the parties was considered essential — that “all marriages, between persons who might lawfully enter into that relation, heretofore solemnized by any justice or minister, be and they hereby are confirmed and made valid in law, although such justice or minister may have exceeded his authority or jurisdiction.”

In the Rev. Sts. c. 75, the provisions of the previous statutes are substantially reënacted, and the following section [§ 24] is added: “No marriage, solemnized before any person professing to be a justice of the peace, or a minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, on account of any want of jurisdiction or authority in such supposed justice or minister, or on account of any omission or informality in the manner of entering the intention of marriage, or in the publication of the banns; provided, that the marriage be in other respects lawful, and be consummated with a full belief, on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.” Rev. Sts. c. 75, § 24.

The object of this section, as declared in the Report of the Commissioners who framed it, was to adopt the principle stated in *Milford v. Worcester*, that a marriage would be lawful, if solemnized before a justice or minister, although without publication of the banns and without the consent of parents or guardians; and to extend that principle so as to prevent marriages from being invalidated on account of some defect, not known or suspected by either party, in the ordination of the minister or the commission of the justice in whose presence the marriage ceremony was performed. That the Commissioners understood the presence of some person, being or believed to be a magistrate or minister, to be necessary to the validity of every marriage of persons other than Quakers in this Commonwealth, clearly appears by their concluding sentence: “The essence of the contract is the assent of the parties; and if this assent is formally and solemnly given in the presence of one who is acting as a justice or minister, and who is honestly believed to be qualified as such, it furnishes all the security against fraud and surprise, which the law was designed to provide for.”

The existing laws upon the subject are mostly contained in the Gen. Sts. c. 106; and the only modification since the Rev. Sts. that is worthy of notice is that by which, where the fact of marriage is required to be proved before any court, evidence of the admission of that fact by the defendant, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence, is made competent. Sts. 1840, c. 84; 1841, c. 20. Gen. Sts. c. 106, § 22. Evidence of the kind here mentioned is simply made competent, not controlling when the whole truth appears.

Under all changes in the form of the statutes it has always been assumed in this Commonwealth, and in the State of Maine, which was originally a part thereof, that (except in the single case of Quakers, or

Friends, whose marriages are made valid by a special provision limited to that sect, and, though not solemnized by any magistrate or minister, are witnessed, recorded, and returned by the principal officer of the meeting at which the ceremony is performed) a marriage which is shown not to have been solemnized before any third person, acting or believed by either of the parties to be acting as a magistrate or minister, is not lawful or valid for any purpose. *Medway v. Needham*, 16 Mass. 157, 159. *Commonwealth v. Spooner*, 1 Pick. 235. *Meyers v. Pope*, 110 Mass. 314, 316. *Thompson v. Thompson*, 114 Mass. 566, 567. St. 1879, c. 116. *Brunswick v. Litchfield*, 2 Greenl. 28. *Ligonia v. Buxton*, 2 Greenl. 102. *State v. Hodgskins*, 19 Maine, 155. *State v. Bowe*, 61 Maine, 171, 177. See also *Dunbarton v. Franklin*, 19 N.H. 257, 266; *Northfield v. Plymouth*, 20 Vt. 582, 591; *Goshen v. Stonington*, 4 Conn. 209, 219; *Bashaw v. State*, 1 Yerger, 177; *Dennison v. Dennison*, 35 Md. 361.

It is proper, however, to notice more particularly the Massachusetts cases, on which the defendant's counsel relied.

The case decided by the Superior Court of Judicature of the Province in 1758, and cited in Quincy's Reports, 29, note, appears by the record there referred to, to have been as follows: Flora, a negro woman, was indicted on the Prov. St. of 1696 (8 W. III.,) c. 11, "to prevent the destroying and murdering of bastard children," which had this preamble: "Whereas many lewd women that have been delivered of bastard children, to avoid their shame and escape punishment, do secretly bury or conceal the death of their children, and after, if the child be found dead, the said women do allege that the said child was born dead, whereas it falleth out sometimes (though hardly it is to be proved) that the said child or children were murdered by the said women their lewd mothers, or by their assent or procurement," and which therefore enacted that any woman who should be delivered of a child "which, if it were born alive, should by law be a bastard," and endeavor to conceal the death thereof, whether it were born alive or not, should suffer death as in case of murder, unless she could prove that the child was born dead. 1 Prov. Laws, 255. Anc. Chart. 293. The indictment alleged, in the usual form of an indictment for murder, that the defendant threw her child alive into a vault and immersed it in the water and excrements therein, and thereby drowned and suffocated it. The jury, by special verdict, found "that the said Flora is and from her nativity has been a negro slave; that she was never married according to any of the forms prescribed by the laws of this land, but that the person supposed to be the father of the said child was also a slave, and had kept her company with her master's consent for above a year and a half before that she was delivered alone of the female child mentioned in the indictment, and thrust the same child into the vault and under the excrements and water, and that the same child was taken out dead therefrom, and that, by means of her so immersing the said child and concealing the death thereof, it cannot be known whether the said child was born dead or alive;" and the jury found the defendant

guilty or not guilty, according to the opinion of the court upon the question whether "the said female child, had it been born alive, would have been a bastard, within the meaning and design of" the statute on which the indictment was founded. "After mature advisement upon the said verdict, the court are of opinion that the said Flora is not guilty." Flora's case, Rec. 1758, fol. 295. We have no report of the grounds of that opinion; but it may well be that the court thought that so highly penal a statute, changing the ordinary rule as to burden of proof in criminal cases, should be strictly construed, and that the case was not within the evil which it was intended to prevent, as expressed in the preamble.

In *Parton v. Hervey*, 1 Gray, 119, it was decided, 1st, that the age of consent in this Commonwealth, as by the common law of England, was fourteen in males and twelve in females; and 2d, that the Prov. St. of 1695-6 (7 W. III.) c. 2, the Sts. of 1786, c. 3, and 1834, c. 177, and the Rev. Sts. c. 75, §§ 15, 19, prohibiting justices and ministers, under a penalty, from solemnizing marriages of males under twenty-one or of females under eighteen, without the consent of their parents or guardians, did not make void the marriage of a girl thirteen years old, solemnized by a justice or minister without such consent. The decision on the first point finds additional and conclusive support in the Prov. St. of 1694-5 (6 W. & M.), c. 5, § 5, which defined the age of consent to be in "the man fourteen years of age, the woman twelve." 1 Prov. Laws, 172. Anc. Chart. 278. 2 Dane Ab. 301. The decision on the second point was in exact accordance with the statement of Chief Justice Parsons in *Milford v. Worcester*, referred to in the Commissioners' Report on the Revised Statutes, as already mentioned, that "when a justice or minister shall solemnize a marriage between parties who may lawfully marry, although without publication of the banns of marriage, and without the consent of the parents or guardians, such marriage would unquestionably be lawful, although the officer would incur the penalty of fifty pounds for a breach of his duty." 7 Mass. 54, 55. The general statement of Mr. Justice Bigelow in the course of his discussion of this point — that, "in the absence of any provision declaring marriages, not celebrated in the prescribed manner, or between parties of certain ages, absolutely void, it is held that all marriages, regularly made according to the common law, are valid and binding, although had in violation of the specific regulations imposed by statute" — evidently had regard to the effect of specific regulations as to the publication of banns or the consent of parents, and not to the broader question, which was not before him, whether any presence of a third person was necessary. If the learned judge had intended to cast any doubt on the adjudication of that question in *Milford v. Worcester*, he would hardly have referred, as he did, to that case as supporting his statement. 1 Gray, 122.

In *Meyers v. Pope*, 110 Mass. 314, there was evidence that the parties went before a person whom they supposed to be a justice of the peace of the county, with the intent on the part of both to contract marriage

before him; that in his presence and hearing the man said that the woman was his wife; and that they afterwards cohabitated together, believing themselves to have been then and thereby lawfully married. The extent of the decision, as stated by Chief Justice Chapman, was that the provision of the Rev. Sts. c. 75, § 24, and the Gen. Sts. c. 106, § 20, already quoted, (by which the law as declared in *Milford v. Worcester*, has been so far modified as to make a marriage before a justice or minister, believed by either of the parties to be authorized, as valid as if he were in fact authorized to solemnize the marriage,) should by a liberal construction be held to include a case "where the parties go before a magistrate or minister, make a marriage contract in some form in his presence, in the belief that he sanctions and assents to it in his official capacity, and cohabit as husband and wife afterwards, believing that they are legally married, though the magistrate understands the matter differently, and does not intend to act officially in the matter." 110 Mass. 316.

The presence of a person officiating, or at least believed to be officiating, as a justice or minister being (except in the case of Quakers) clearly required, according to a long course of legislative action and of judicial opinion, to constitute a valid marriage in this Commonwealth, it would be superfluous to examine the English decisions, or the cases cited at the argument showing that a different rule prevails in some other parts of the Union. Whether it is wise and expedient so to change the law of Massachusetts as to allow an act, which so deeply affects the relations and rights of the contracting parties and their offspring, to become binding in law by the mere private contract of the parties, without going before any one as a magistrate or minister, is a matter for legislative, and not for judicial consideration.

In the case before us, it appearing from the undisputed facts that, in the ceremony performed by the defendant and the woman with whom he has since cohabited, no third person participated or was understood or expected to participate in any way, and no civil magistrate or minister of the gospel, nor any person believed to be such, was present, and neither party was a Friend, or Quaker, it was rightly ruled in the Superior Court that no lawful or valid marriage between the parties had taken place.

But it does not follow that the conviction was warranted by the evidence before the jury. *Milford v. Worcester*, 7 Mass. 57. *Sedgwick, J.*, in *Mangue v. Mangue*, 1 Mass. 240, 242. To support an indictment against a man for adultery, it is sufficient to prove sexual connection between him and the wife of another man. *Commonwealth v. Elwells*, 2 Met. 190. To support an indictment for bigamy or polygamy, it is sufficient to prove that the defendant, being at the time lawfully married to one person, has married another. *Commonwealth v. Mash*, 7 Met. 472. *Reynolds v. United States*, 98 U.S. 145. But to support this indictment on the Gen. Sts. c. 165, § 6, it is necessary to prove not only that a man and a woman, "not being married to each other," "cohabited together," but that they so cohabited "lewdly and lascivi-

ously," — implying an evil intent, which cannot be inferred from the mere fact (such as was proved at the trial) of cohabitation under an honest, though mistaken, belief that the parties were lawfully married to each other. *Commonwealth v. Hunt*, 4 Cush. 49. If there were evidence that the cohabitation was under such circumstances as to create a common scandal, or tend to corrupt the public morals, the case might be different. See *Commonwealth v. Calef*, 10 Mass. 153; *Grisham v. State*, 2 Yerger, 589; *State v. Moore*, 1 Swan, 136.

Verdict set aside.

LEGISLATION UNDER THE COMMONWEALTH.

CHAPTER 69 OF ACTS OF 1785.

AN ACT FOR REGULATING MARRIAGE AND DIVORCE.

SECTION 1. *BE it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, That no man or woman shall intermarry within the degrees hereafter named, that is to say:*

No man shall marry his mother, grandmother, daughter, son's daughter, daughter's daughter, step-mother, grandfather's wife, son's wife, son's son's wife, daughter's son's wife, wife's mother, wife's grandmother, wife's daughter, wife's son's daughter, wife's daughter's daughter, sister, brother's daughter, sister's daughter, father's sister, mother's sister.

No woman shall marry her father, grandfather, son, son's son, daughter's son, step-father, grandmother's husband, daughter's husband, son's daughter's husband, daughter's daughter's husband, husband's father, husband's grandfather, husband's son, husband's son's son, husband's daughter's son, brother, brother's son, sister's son, father's brother, mother's brother.

And if any man or woman shall intermarry within the degrees aforesaid, every such marriage shall be deemed, taken and adjudged incestuous, and shall be null and void; and the issue of all such incestuous marriages shall be deemed, taken and adjudged illegitimate, and be subjected to all the legal disabilities of such issue.

SECT. 2. *And be it further enacted by the authority aforesaid, That all marriages, where either of the parties shall have a former wife or husband living at the time of such marriage, shall be absolutely void, and no dower shall be assigned any widow in consequence of such marriage; and the issue thereof shall be deemed, taken and adjudged illegitimate, and be subject to all the legal disabilities of such issue.*

CHAPTER 3 OF ACTS OF 1786.

AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That every Justice of the Peace, within the county where he resides, and every stated and ordained minister of the gospel in the town, district, parish or plantation, where he resides, shall be and hereby is authorized and empowered to solemnize marriages between persons that may lawfully enter into that relation, when one or both of the persons to be married, belong to, or are residents in the county where such justice resides, or one or both of them are inhabitants of, or residents in the town, district, parish, or plantation where such minister resides.

SECT. 2. *And be it further enacted by the authority aforesaid,* That when any settled and ordained minister of the gospel is himself to be married, it shall be lawful for any other such minister within the same county, to marry the said minister. And also, when any religious society shall be destitute of a settled and ordained minister of the gospel, in case there shall not be such a minister within the town, district or plantation in which such religious society is, it shall be lawful for any such minister, within the same county, to join any person of such town, district or plantation, in marriage: *Provided* such marriage be solemnized in the town, district or plantation where one of the parties to be married shall reside.

SECT. 3. *And be it further enacted by the authority aforesaid,* That all persons desiring to be joined in marriage shall have such their intentions published at three public religious meetings, on different days, at three days' distance exclusively at least from each other, in the town or district, wherein they respectively dwell, or shall have their intentions of marriage posted up by the clerk of such town or district, by the space of fourteen days, in some public place, within the same town or district, fairly written, and shall also produce to the justice or minister, who shall be desired to marry them, a certificate of such publishment, under the hand of the clerk of such town or district respectively; and also, that the intention of marriage hath been entered with him fourteen days, prior to the date of such certificate; and where a male, under twenty one years, or a female under eighteen years of age, is to be married, the consent of the parent, guardian or other person, whose immediate care and government such party is under, if within the Commonwealth, shall be first had to such marriage. And in case the parties or either of them live in a town, district or place where there shall be no clerk, then publishment shall be made in the town or district next adjoining, in manner aforesaid, and a certificate from the clerk of the same town or district, of such publishment, and of the entry of their intentions of marriage as aforesaid, shall be produced as aforesaid, previous to their marriage. *Provided,* That in regard to any plantation in the counties of Cumberland and Lincoln, where the parties, not under the respective ages aforesaid, shall have been inhabitants for the space of twelve months, and shall live twenty miles' distant from such next adjoining town or district, any justice or ordained minister belonging to this Commonwealth, may join them in marriage without such certificate

SECT. 4. *And be it further enacted by the authority aforesaid,* That if, at any time, the banns of matrimony betwixt any persons shall be forbidden, and the reasons thereof assigned, in writing, by the person so forbidding the same, left with the town or district clerk, he shall forbear issuing a certificate as aforesaid, until the matter shall have been duly inquired into, and determined before two justices of the same county, *quorum unus*: *Provided*, the person forbidding the banns shall, within seven days after filing the reasons as aforesaid, apply unto two justices as aforesaid, and procure their determination thereon; unless the said justices shall certify unto the said clerk, that a further time is necessary for their determination on the reasons filed; in which case the clerk shall forbear issuing a certificate, until the time then certified to be necessary shall expire, unless the justices shall sooner determine; according to whose determination, the clerk shall govern himself herein; and if the said justices shall determine, that the reasons assigned by the person forbidding the said banns, were not supported by the laws of the Commonwealth, then the person so forbidding shall pay all the cost that may have arisen in consequence of such objection; and the said justices shall make up judgment and issue execution accordingly.

SECT. 5. *And be it further enacted by the authority aforesaid,* That if any person shall deface or pull down any publishment posted up, in writing, as aforesaid, before the expiration of the said fourteen days, he shall forfeit and pay the sum of twenty shillings, to the use of the town; and if unable to pay the said fine, may be set in the stocks for the space of one hour. And if any Justice of the Peace or minister shall, otherwise than is expressly allowed and authorized by this Act, join any persons in marriage, they shall severally forfeit and pay the sum of fifty pounds, two third parts thereof to and for the use of the county wherein the offence may be committed, and the residue to the prosecutor, to be sued for and recovered in the Court of Common Pleas, within the same county, by the treasurer thereof, who is hereby enjoined, upon due information thereof, to prosecute and sue for the said penalty, without delay, or by the parent, guardian or other person under whose immediate care and government either of the parties were at the time of such marriage; and every justice or minister, against whom such recovery shall be had, is hereby forbidden from joining persons in marriage forever after. And in case a person forbid as aforesaid, or any other person whatever, not authorized and empowered to solemnize marriages by this Act, shall join any persons in marriage, and be convicted thereof in the Supreme Judicial Court, upon presentment or indictment, he shall stand one hour in the pillory, and be subjected to pay a fine, at the discretion of the court, to the use of the Commonwealth, not exceeding one hundred pounds, nor less than eighty pounds.

SECT. 6. *And be it further enacted,* That every justice and minister shall make and keep a particular record of all marriages solemnized before them respectively; and in the month of April, yearly, and every year, shall make a return to the clerk of the town, district or plantation in which he lives, certifying the names (both Christian names and surnames) of all the persons who have been by them respectively joined together in marriage within the year then last past, if any such have been by them so joined together.

[And if it shall so happen, that any one or more of the said justices or ministers shall not have joined together in marriage any persons during the course of the year then last past, it shall be the duty of such justice or minister also to certify to the said town-clerk, in writing, under his hand, that he has not joined any persons in marriage within the course of the said year.] *Repealed 1795, ch. 7.*

And if any justice or minister shall neglect to make such return, within the month of April, annually, the clerk of the town, district or plantation, where such delinquent justice or minister lives, shall, without

delay, certify such neglect to the clerk of the Court of General Sessions of the Peace of the same county, who shall lay the same before the said court at their next session; and the person so neglecting shall be cited to appear before the said court, to answer for such neglect; and if no sufficient reason shall be assigned therefor, he shall be considered and adjudged disqualified for joining persons in marriage for a term of time, not exceeding ten years, at the discretion of the justices of the said court. And every town and district clerk shall duly and seasonably record all marriages, so certified to him, as aforesaid:

[And shall also return a list or copy thereof to the clerk of the Court of General Sessions of the Peace of the same county, some time in the month of May, yearly and every year, to be there recorded, upon penalty of forfeiting twenty shillings for each neglect: And it shall be the duty of each clerk of the sessions to prosecute for every such neglect, in the county to which he belongs. And every clerk of the sessions shall record all such returns of marriages at large in a book to be kept for that purpose, and no other, under the same penalty for each neglect.] *Repealed* 1795, ch. 41, § 1.

SECT. 7. *And be it further enacted*, That no person by this Act authorized to marry, shall join in marriage any white person with any negro, indian or mulatto, on penalty of the sum of fifty pounds, two third parts thereof to the use of the county wherein such offence shall be committed, and the residue to the prosecutor, to be recovered by the treasurer of the same county, in manner as aforesaid; and all such marriages shall be absolutely null and void.

SECT. 8. *And be it further enacted by the authority aforesaid*, That any marriages which have been or hereafter may be had and solemnized, among the people called Quakers, or Friends, in the manner and form used and practised in their societies, shall be good and valid in law, anything in this Act to the contrary notwithstanding: And the clerk, or keeper of the records of the meeting wherein such marriage shall be had and solemnized, shall once a year make a certificate, under his hand, of all marriages had and solemnized in the society, or meeting, to which he belongs, and shall deliver the same to the clerk of the Court of General Sessions of the Peace of the county wherein the marriages have been had and solemnized, under the penalty of twenty shillings for each neglect. All fines, not particularly appropriated, shall be to the use of the prosecutor. And all former laws relating to the solemnization of marriages, are hereby repealed.

This Act to be in force from and after the last day of December, one thousand seven hundred and eighty-six, and not sooner. [June 22, 1786.]

CHAPTER 7 OF ACTS OF 1795.

AN ACT REPEALING A CERTAIN CLAUSE OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

WHEREAS in and by the Act, entitled, as aforesaid, among other things, the following clause is enacted, viz. "And if it shall so happen, that any one or more of the said justices or ministers shall not have joined together in marriage any person during the course of the year then last past, it shall be the duty of such justice or minister also to certify to the said town-clerk, in writing, under his hand, that he has not joined any persons in marriage within the course of the said year;" and a compliance with the said clause is found inconvenient:

Be it therefore enacted by the Senate and House of Representatives in General Court Assembled, and by the authority of the same, That the before recited clause be and it is hereby repealed. [June 15, 1795.]

CHAPTER 41 OF ACTS OF 1795.

FEES FOR MARRIAGES.

To the town-clerk for publishing the banns of matrimony, recording the same, giving a certificate of the publishment, and recording the marriage upon receiving the justice's or minister's certificate thereof, fifty cents, to be paid by the man published, on receiving a certificate of the publishment. And the town-clerk shall not in future be holden to return certificates of marriages to the clerks of the Courts of General Sessions of the Peace, nor clerks last mentioned to record the same. To every minister or Justice of the Peace, who shall lawfully solemnize a marriage, and certify the same, one dollar and twenty-five cents. To the town-clerk for recording births and deaths, eight cents each. For a certificate of a birth or death, ten cents. For a subpoena for one or more witnesses, ten cents.

CHAPTER 69 OF ACTS OF 1795.

AN ACT FOR RECORDING BIRTHS AND DEATHS BY THE CLERKS OF TOWNS AND DISTRICTS.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That it shall be the duty of every town-clerk and every district-clerk, within this Commonwealth, to record all births and deaths which shall happen within his town or district and come to his knowledge, together with the time of such birth or death, and the names of his or her parents, if known, for the fees allowed, by law, to be paid by his town or district.

SECT. 2. *And be it further enacted,* That it shall be the duty of parents to give notice to the clerk of the town or district in which they dwell, of all the births and deaths of their children; and it shall be the duty of every householder to give notice of every birth and death which may happen in his house; and of the eldest person next of kin to give such notice of the death of his kindred; and it shall be the duty of the master or keeper of any alms-house, work-house or prison, and of the master or commander of any ship or vessel, to give notice of every birth and death which may happen in the house or vessel under his care or charge, to the clerk of the town or district in which such event shall happen: And in case any person, whose duty it shall be, by virtue of this Act, to give notice as aforesaid, shall neglect to perform the same for the space of six months after the birth or death shall happen, the person so neglecting shall pay a fine of one dollar, to be recovered, with costs of suit, on complaint before any Justice of the Peace for the same county, to the use of any inhabitant of the same town who shall prosecute for the same; from which judgment there shall be no appeal.

SECT. 3. *And be it further enacted,* That this Act shall be in force on and after the first day of September next; and that an Act passed *Anno Domini* one thousand six hundred and ninety-two, for registering births and deaths, shall be and hereby is repealed, on and after that day. [Feb. 26, 1796.]

CHAPTER 61 OF ACTS OF 1817.

AN ACT EXPLANATORY OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That any marriage which has been, or which shall hereafter be solemnized by any minister or Justice of the Peace, agreeably to the provisions of the Act, entitled, "An Act for the orderly solemnization of Marriages," in any plantation, which at the time of passing said Act was included within the counties of Cumberland or Lincoln, shall be deemed and taken to be legal, to all intents and purposes, as if the said counties, or either of them, had not been divided. And every Justice of the Peace, or minister, who shall hereafter solemnize any such marriage, shall transmit a certificate thereof to the clerk of the Circuit Court of Common Pleas for the county in which said plantation is situated, to be recorded by said clerk, in a book to be by him kept for that purpose. [Jan. 27, 1818.]

CHAPTER 141 OF ACTS OF 1817.

AN ACT IN EXPLANATION OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That all marriages (between persons who may or might lawfully enter into that relation) which have been or may hereafter be solemnized by any stated ordained minister of the gospel, in the town, parish, district, or plantation, within or over which such minister, at the time, was, or may be settled, and where one of the parties resided, or shall reside, shall be, and be considered valid in law, notwithstanding such minister, at the time, shall reside, or may have resided without the limits of the town, district, parish or plantation, within or over which he is, or was so settled. And it shall be sufficient that the certificate of any marriage, so solemnized, shall be lodged with the clerk of the town, district or plantation, within or over which such minister is so settled. [Feb. 20, 1818.]

CHAPTER 55 OF ACTS OF 1820.

AN ACT IN FURTHER ADDITION TO THE ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That every stated ordained minister of the gospel shall be, and hereby is authorized and empowered to solemnize marriages between persons that may lawfully enter into that relation, when one or both of the persons to be married belong to the parish or congregation of such minister, although such person or persons shall reside without the limits of the town, parish, or district in which such minister may be settled; and such marriages may be solemnized either within the town, parish, or district wherein such minister resides, or wherein such person or persons may reside.

SECT. 2. *Be it further enacted,* That whenever any persons, who may lawfully enter into the marriage relation, shall belong to, or be resident in a town or district, in which there shall be no stated ordained minister of the gospel, of the sect or denomination to which such persons, or

either of them belong, it shall be lawful for any settled, ordained minister, of the sect or denomination to which such persons, or either of them belong, residing in any other town or district within this Commonwealth, to solemnize marriage between such persons, within the town or district where they, or either of them reside; the certificate of which marriage shall be filed with the clerk of the town or district where such marriage shall be solemnized; and the duties of ministers and town clerks, in relation to certificates of marriage, solemnized under the provisions of this Act, and the penalties for the neglect thereof, shall be the same as are provided in the Act, entitled "An Act for the orderly solemnization of marriages." [Feb. 12, 1821.]

CHAPTER 177 OF ACTS OF 1834.

AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That every justice of the peace within his jurisdiction, and every minister of the Gospel within the Commonwealth, who has been ordained according to the usage of his denomination, and who is resident therein, be, and they hereby are authorized and empowered to solemnize marriages between persons who may lawfully enter into that relation, when either of the persons to be married belongs to, or is resident within the jurisdiction of said justice or minister; but all such marriages shall be solemnized in the city, town, or district in which the person solemnizing the same may reside, or within the city, town, or district in which one or both of the persons to be married may reside.

SECT. 2. *BE it further enacted,* That all persons desiring to be joined in marriage, shall have their intentions of marriage published at three public religious meetings, on different days, at three days' distance at least from each other exclusively, in the city, town, or district wherein they respectively dwell, or shall have such their intentions of marriage posted up, by the clerk of such city, town or district wherein they respectively dwell, for the space of fourteen days in some public place, within the same city, town, or district, fairly written, and shall also produce to the justice or minister, who may be desired to marry them, a certificate of such publication under the hand of the clerk of such city, town, or district respectively, and also that the intentions of marriage have been entered with him fourteen days prior to the date of such certificate; and when a male under twenty-one years, or a female under eighteen years of age, is to be married, the consent of the parent, guardian or other person under whose immediate care or government such party is, if within the Commonwealth, shall be first had to such marriage. And in case the parties or either of them, live in a town, district, or other place where there shall be no clerk, then publication shall be made in manner aforesaid, in a city, town, or district next adjoining, and the certificate from the clerk of such adjoining city, town, or district, of such publication, and of the entry of their intentions of marriage as aforesaid, previous to their marriage.

SECT. 3. *BE it further enacted,* That if, at any times, the banns of matrimony between any persons shall be forbidden, and the reasons thereof, assigned in writing by the person forbidding the same, be left with the city, town, or district clerk, he shall forbear issuing a certificate as aforesaid, until the matter shall have been duly inquired into and determined before two justices of the same county, quorum unus: *provided,* the person forbidding the banns, shall, within seven days after filing the reasons as aforesaid, apply unto two justices as aforesaid, and procure their determination thereon, unless the said justices shall certify unto the said clerk, that a further time is necessary for their determi-

nation on the reasons filed; in which case the clerk shall forbear issuing a certificate, until the time then certified to be necessary shall expire, unless the justices shall sooner determine, according to whose determination the clerk shall govern himself herein; and if the said justices shall determine that the reasons assigned by the person forbidding the said banns were not supported by the laws of the Commonwealth, then the person so forbidding shall pay all the cost that may have arisen in consequence of such objection, and the said justices shall make up judgment, and issue execution accordingly.

SECT. 4. *BE it further enacted*, That if any person shall deface or take down any publishment in writing, posted up as aforesaid, before the expiration of the fourteen days, he shall, upon conviction thereof, forfeit and pay a sum not less than two, or more than twenty dollars, to the use of the person who shall prosecute therefor. And if any justice of the peace, or minister, shall, otherwise than is expressly allowed and authorized by this act, join any persons in marriage, they shall, upon conviction thereof, severally forfeit and pay a sum not less than fifty, nor more than one hundred dollars, one moiety thereof to the use of the county wherein the offence may be committed, and the other moiety to the use of the person who shall prosecute therefor; and in case any person whatever, not authorized and empowered to solemnize marriages by this act, shall join any persons in marriage, and be convicted thereof in any court of competent jurisdiction, upon presentment or indictment, he shall be imprisoned in the common jail, or confined to hard labor, for a term not exceeding six months, or pay a fine of not less than fifty, nor more than two hundred dollars, to the use of the Commonwealth, at the discretion of said court.

SECT. 5. *BE it further enacted*, That every justice and minister shall make and keep a particular record of all the marriages solemnized before them respectively; and, in the month of April annually, shall make a return to the clerk of the city, town, or district in which he resides, of a certificate containing the Christian and surnames, and places of residence, of all the persons joined in marriage, by them respectively, within the year then last past, and also the time when, and the name of the city, town, or district, in which such marriages were respectively solemnized; and when neither of the persons married belongs to, or is resident in the city, town, or district, in which such justice or minister resides, then such justice or minister shall also make a like return of a certificate to the clerk of the city, town, or district in which one or both of the persons married may reside, within thirty days from the solemnization of the same. And any justice or minister who shall neglect to make such returns, shall, upon conviction thereof, before any court of competent jurisdiction, in the county in which he resides, forfeit and pay for each neglect a sum of not less than twenty nor more than one hundred dollars, at the discretion of said court, one moiety thereof to the use of said county, and the other moiety to the use of the person who shall prosecute for the same; and every city, town, or district clerk shall duly and reasonably record all marriages so certified to him as aforesaid.

SECT. 6. *BE it further enacted*, That all marriages which have been or may be solemnized among the people called quakers or friends, in the manner and form used and practised in their societies, shall be good and valid in law, anything in this act to the contrary notwithstanding. And the clerk or keeper of the records of the meeting wherein such marriages shall be solemnized, shall, in the month of April, annually, make and deliver to the clerk of the city, town, or district in which such society usually meet and worship, a certificate of all marriages solemnized therein, during the year then last past, as in the fifth section of this act is provided, under the penalty of not less than twenty nor more than one hundred dollars for each neglect, to be recovered in the manner and to the uses as in said fifth section is provided.

SECT. 7. *BE it further enacted*, That all marriages between persons who might lawfully enter into that relation, heretofore solemnized by any justice or minister, be and they hereby are confirmed and made valid in law, although such justice or minister may have exceeded his authority or jurisdiction.

SECT. 8. *BE it further enacted*, That "an act for the orderly solemnization of marriages" (except the seventh section thereof,) passed June twenty-second, in the year of our Lord one thousand seven hundred and eighty-six; also "an act repealing a certain clause of an act for the orderly solemnization of marriages," passed June fifteenth, in the year of our Lord one thousand seven hundred and ninety-five; also, "an act explanatory of an act for the orderly solemnization of marriages," passed January twenty-seventh, in the year of our Lord one thousand eight hundred and eighteen; also an act in explanation of an act for the orderly solemnization of marriages, passed February twentieth, in the year of our Lord one thousand eight hundred and eighteen, and also "an act in further addition to the act for the orderly solemnization of marriages," passed February twelfth, in the year of our Lord one thousand eight hundred and twenty-one, be, and they are hereby repealed: *provided, however*, that all marriages confirmed by, or solemnized in pursuance of the provisions of these acts, be ratified and confirmed.

SECT. 9. *BE it further enacted*, That no minister who has unintentionally violated the laws now in force, for the solemnization of marriages, shall be subjected to any penalty or punished for that cause.

SECT. 10. *BE it further enacted*, That the provisions of this act shall go into operation on the first day of May next. [Approved by the Governor, April 1, 1834.]

CHAPTER 15 OF THE REVISED STATUTES OF 1836.

RECORD OF BIRTHS AND DEATHS. — NOTICE OF BIRTHS AND DEATHS.

SECT. 46. The town clerk shall keep a record of the births and deaths of all persons within his town, and coming to his knowledge; and he shall specify in such record the day of each birth and death, and the names of the parents of such persons, if known.

SECT. 47. Parents shall give notice to the clerk of their town of all the births and deaths of their children; and every householder shall give the like notice of every birth and death happening in his house; and the eldest person next of kin shall give such notice of the death of his kindred; and the keeper of any almshouse, workhouse, house of correction, prison or hospital, and the master or other commanding officer of any ship, shall give the like notice of every birth and death happening among the persons under his charge; and every person neglecting to give such notice, for the space of six months, after the birth or death shall have happened, shall forfeit to the use of the town a sum not exceeding five dollars.

CHAPTER 75 OF THE REVISED STATUTES OF 1836.

FOR REGULATING MARRIAGES.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, sister, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all the cases, mentioned in the two preceding sections, in which the relationship is founded on a marriage, the prohibition shall continue in full force, notwithstanding the dissolution of such marriage by death, or by a divorce, unless the divorce be for a cause, which shows the marriage to have been originally unlawful or void.

SECT. 4. All marriages, contracted whilst either of the parties has a former wife or husband living, shall be void, unless the former marriage shall have been dissolved for some cause other than the adultery of the person contracting such second marriage.

SECT. 5. No white person shall intermarry with a negro, indian or mulatto; and no insane person or idiot shall be capable of contracting marriage.

SECT. 6. When any persons, resident in this state, shall undertake to contract a marriage, contrary to the preceding provisions of this chapter, and shall, in order to evade those provisions, and with an intention of returning to reside in this state, go into another state or country, and there have their marriage solemnized, and shall afterwards return and reside here, such marriage shall be deemed void in this state.

SECT. 7. All persons, intending to be joined in marriage, shall cause notice of their intention to be entered, fourteen days at least before their marriage, in the office of the clerk of the town in which they may respectively dwell (if within this state); and if there be no such clerk in the place of their residence, the like entry shall be made with the clerk of an adjoining town.

SECT. 8. The intention shall be published by the clerk, with whom the entry is made, either by posting up a written notice thereof, in some public place in the town of which he is the clerk, fourteen days at least before the marriage, or by making a public proclamation thereof, at three public religious meetings in the town, on different days; the said meetings to be not less than three days distant from each other, exclusive of the days of the publication.

SECT. 9. The clerk shall deliver to the parties a certificate, under his hand, specifying the time when notice of the intention of marriage was entered with him, and the time of the publication thereof; which certificate shall be delivered to the magistrate or minister, in whose presence the marriage is to be contracted, before he shall proceed to solemnize the same.

SECT. 10. After the intention of marriage is entered with the clerk, if any person shall forbid the banns, and shall assign his reasons therefor in writing, and leave the same with the clerk, the certificate shall not be issued, until the matter shall have been duly inquired into and determined, in the manner hereinafter mentioned; provided the person forbidding the banns shall apply to two justices of the peace and of the quorum, of the same county, and shall, within seven days after the filing of his reasons, procure their decision thereon, or produce to the clerk their certificate that a further time is necessary for the consideration thereof; in which case, the clerk shall withhold his certificate, until the expiration of such further time, unless the justices shall sooner make known their decision.

SECT. 11. The two justices, so applied to, shall proceed forthwith to give notice thereof to the persons who propose to be married, and after a full hearing of the parties, or of the person objecting to the marriage, if the others do not appear, the justices shall decide on the truth and sufficiency of the reasons assigned for forbidding the banns,

and shall certify their decision thereon to the clerk, with whom the intention of marriage was entered.

SECT. 12. If the said two justices shall certify that the objections to the marriage are true and sufficient, the clerk shall not issue any certificate of the publication of the banns; but if they shall certify that the objections are not proved, or are not sufficient, or if they shall not agree in a determination thereupon, the clerk shall forthwith issue his certificate, in the same manner as if no objection had been made thereto.

SECT. 13. If the said justices shall certify that the objections to the marriage are true and sufficient, the persons, who propose to be married, or either of them, may appeal from such decision to the court of common pleas, or the supreme judicial court, next to be held for the same county, and the determination of the court thereon shall be final in the case; and the clerk of the town shall issue, or withhold, his certificate of the publication of the banns, according to such final determination.

SECT. 14. If the objections, so made to any marriage, shall not be proved, and adjudged to be sufficient, the person making the same shall pay all the costs, that shall have been incurred on account thereof, to be taxed by the justices or the court, as the case may be, and execution therefor shall be issued accordingly.

SECT. 15. When a male, under the age of twenty-one years, or a female, under the age of eighteen years, is to be married, the magistrate or minister shall not proceed to solemnize the marriage, without the consent of the parent or guardian, having the custody of such minor, if there be any in the state competent to act.

SECT. 16. Marriages may be solemnized by any justice of the peace, in the county for which he is appointed, when either of the parties resides in the same county; and they may be solemnized throughout the state by any minister of the gospel, who has been ordained according to the usage of his denomination, and who resides within the state, and continues to preach the gospel and to perform the other functions of his office; but all such marriages shall be solemnized in the town, in which the person solemnizing them may reside, or in which one or both of the persons to be married may reside.

SECT. 17. Every justice and minister shall keep a record of all marriages solemnized before him, and in the month of April, annually, shall make a return, to the clerk of the town in which he resides, of a certificate, containing the christian and surnames, and places of residence, of all the persons who have been by him joined in marriage, within the year then last past, and also the time when, and the name of the town in which, such marriages were respectively solemnized; and when neither of the married persons belongs to or is resident in the town in which the justice or minister resides, then such justice or minister shall, within thirty days after such marriage, also return a like certificate to the clerk of the town in which one or both of the married persons may reside; and all marriages, so certified to the clerk, shall be forthwith recorded by him in a book to be kept for that purpose.

SECT. 18. Every justice of the peace and minister, who shall neglect to make such returns, shall, upon conviction thereof, forfeit for each neglect a sum, not less than twenty, nor more than one hundred dollars; one moiety thereof to the use of the county in which he resides, and the other moiety to the use of the person who shall prosecute therefor.

SECT. 19. If any justice of the peace or minister shall join any persons in marriage, contrary to the provisions of this chapter, he knowing that the marriage is not duly authorized, he shall, upon conviction thereof, forfeit a sum not less than fifty, nor more than one

hundred dollars, one moiety thereof to the use of the county where the offence is committed, and the other moiety to the use of the person who shall prosecute therefor.

SECT. 20. If any person shall undertake to join others in marriage, knowing that he is not lawfully authorized so to do, and shall be thereof convicted, upon indictment in any court of competent jurisdiction, he shall be imprisoned in the common jail, or confined to hard labor, for a term not exceeding six months, or shall pay a fine, not less than fifty, and not more than two hundred dollars.

SECT. 21. If any person shall wilfully deface or take down any written notice of the intention of marriage, posted up as before prescribed, within fourteen days after it is so posted up, he shall, upon conviction thereof, forfeit a sum not less than two, or more than twenty dollars, to the use of the person who shall prosecute therefor.

SECT. 22. The preceding regulations, so far as they relate to the manner of solemnizing marriages, shall not effect [*affect*] marriages among the people called friends or quakers, but such marriages may be solemnized, in the manner heretofore used and practised in their societies.

SECT. 23. The clerk or keeper of the records of the meeting, wherein any marriages among the said friends or quakers shall be solemnized, shall, in the month of April, annually, make and deliver to the clerk of the town in which such society usually meet and worship, a certificate, like that before prescribed to be returned by justices and ministers, of all marriages solemnized in the said meeting, within the year then last past, under the penalty of not less than twenty, nor more than one hundred dollars, for each neglect; which penalty shall be recovered in the manner, and to the uses, provided in the case of a like neglect by a justice or minister.

SECT. 24. No marriage, solemnized before any person professing to be a justice of the peace, or a minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, on account of any want of jurisdiction or authority in such supposed justice or minister, or on account of any omission or informality in the manner of entering the intention of marriage or in the publication of the banns; provided, that the marriage be in other respects lawful, and be consummated with a full belief, on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.

SECT. 25. The record of a marriage, made and kept as before prescribed, by a justice of the peace or minister, or by the clerk of any town, or a copy of any such record duly certified, shall be received, in all courts and places, as presumptive evidence of the fact of such marriage.

[NOTE. — By Chapter 146 it was provided that this revision was to take effect on and after the last day of April, 1836.]

CHAPTER 122 OF THE REVISED STATUTES OF 1836.

FEES FOR MARRIAGES.

SECT. 11. To the town clerk, for publishing the banns of matrimony, recording the same, giving a certificate thereof, and recording the marriage upon receiving the minister's or justice's certificate thereof, fifty cents, to be paid on delivering the certificate of publishing the banns:

To every minister or justice of the peace, who shall lawfully solemnize a marriage, and certify the same, one dollar and twenty-five cents.

TOWN CLERK'S FEES.

SECT. 12. For recording births and deaths, eight cents each:

For a certificate of a birth or death, ten cents:

For copies of town records, and other documents, furnished to any person at his request, if containing less than one page, ten cents, and if containing more, at the rate of twelve cents a page.

CHAPTER 84 OF ACTS OF 1840.

AN ACT RELATING TO THE EVIDENCE OF MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

Whenever, on hearing of any application for divorce, the fact of marriage is required or offered to be proved, evidence of admission of said fact by the party against whom the process is instituted, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence, from which said fact may be inferred, shall be received as competent evidence for consideration, whether the marriage to be proved was contracted in this Commonwealth or elsewhere.

[Approved by the Governor, March 23, 1840.]

CHAPTER 20 OF ACTS OF 1841.

AN ACT IN ADDITION TO AN ACT RELATING TO THE EVIDENCE OF MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

The provisions of an act relating to the evidence of marriage, passed on the twenty-third day of March, in the year one thousand eight hundred and forty, are hereby extended to all cases where it shall become necessary to prove the fact of marriage, in any hearing before any court in this Commonwealth.

[Approved by the Governor, Feb. 16, 1841.]

CHAPTER 95 OF ACTS OF 1842.

AN ACT RELATING TO THE REGISTRY AND RETURNS OF BIRTHS,
MARRIAGES, AND DEATHS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The clerks of the several towns and cities in the Commonwealth shall, annually, in the month of May, transmit to the Secretary of the Commonwealth a certified copy of their record of the births, marriages, and deaths of all persons within their respective towns and cities, which may come to their knowledge; shall state the number of births and marriages, and the number of deaths, with the name, sex, age, (and if an adult male, the occupation,) and the names of the diseases of which all persons have died, or are supposed to have died, together with the cause or causes of the death of all such deceased persons, so far as they may be able to obtain a knowledge of the same from physicans or others; and any clerk who shall neglect to make such return, shall be liable to a penalty of ten dollars, to be recovered for the use of any town or city where such neglect shall be proved to have existed.

SECT. 2. The Secretary of the Commonwealth shall prepare and furnish to the clerks of the several towns and cities in this Commonwealth, blank forms of returns, as hereinbefore specified, and shall accompany the same with such instructions and explanations as may be necessary and useful; and he shall receive said returns, and prepare therefrom such tabular results as will render them of practical utility, and shall make report thereof annually to the legislature, and generally shall do whatever may be required to carry into effect the objects of this act, and of the several provisions of the Revised Statutes not inconsistent with this act.

[Approved by the Governor, March 3, 1842.]

CHAPTER 5 OF ACTS OF 1843.

AN ACT RELATING TO MARRIAGES BETWEEN INDIVIDUALS OF CERTAIN
RACES.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

So much of the fifth section of the seventy-fifth chapter and of the first section of the seventy-sixth chapter of the Revised Statutes, as relates to marriages between white persons and negroes, indians and mulattoes, is hereby repealed.

[Approved by the Governor, Feb. 25, 1843.]

CHAPTER 159 OF ACTS OF 1844.

AN ACT RELATING TO THE REGISTRY AND RETURNS OF BIRTHS,
MARRIAGES, AND DEATHS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. The clerks of the several cities and towns in this Commonwealth shall, annually, in the month of June, transmit to the secretary of the Commonwealth a certified copy of their record of births, marriages, and deaths, which have occurred within their respective cities and towns during the year next preceding the first day of said month.

The births shall be numbered and recorded in the order in which they are received by the clerk. The record of births shall state in separate columns the date of the birth, the place of birth, the name of the child, (if it have any,) the sex of the child, name and surname of one or both of the parents, occupation of the father, residence of the parents, and the time when the record was made.

The marriages shall be numbered and recorded in the order in which they are received by the clerk. The record of marriages shall state in separate columns, the date of the marriage, the place of the marriage, the name, residence, and official station of the person by whom married, the names and surnames of the parties, the residence of each, the age of each, the condition of each, (whether single or widowed,) the occupation, names of the parents, and the time when the record was made.

The deaths shall be numbered and recorded in the order in which they are received by the clerk. The record of deaths shall state in separate columns the date of the death, the name and surname of the deceased, the sex, condition, (whether single or married,) age, occupation, place of death, place of birth, names of the parents, disease or causes of death, and the time when the record was made.

SECT. 2. The school committee of each city or town shall, annually, in the month of May, ascertain from actual inquiry or otherwise, all the births which have happened within such city or town, during the year next preceding the first day of said May, together with the facts concerning births required by the first section of this act, and shall make an accurate return thereof to the clerk of such city or town, on or before the last day of said May; and the said school committee, or other person authorized by them to make such returns, shall be entitled to receive from the treasury of such city or town, five cents for each and every birth so returned.

SECT. 3. Every justice, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers shall be solemnized, shall make a record of each marriage solemnized before him, together with all the facts relating to marriages required by the first section of this act; and each such justice, minister, clerk, or keeper shall, between the first and tenth days of each month, return a copy of the record for the month next preceding, to the clerk of the city or town in which the marriage was solemnized; and every person as aforesaid, who shall neglect to make the returns required by this section, shall be liable to the penalty provided in the eighteenth section of the seventy-fifth chapter of the Revised Statutes.

SECT. 4. Each sexton or other person, having the charge of any burial ground in this Commonwealth, shall, on or before the tenth day of each month, make returns of all the facts required by the first section of this act, connected with the death of any person whose burial he may have superintended during the month next preceding, to the clerk of

the city or town in which such deceased person resided at the time of his death. And such sexton, or other person, shall be entitled to receive from the treasury of the city or town to which the return is made, five cents for the return of each death made agreeably to the provisions of this act.

SECT. 5. The clerk of each city or town shall be entitled to receive from the treasury of such city or town, eight cents for the record of each birth and death: *provided* such clerk shall comply with this act in all respects.

SECT. 6. It shall be the duty of the clerks of the several cities and towns, to make such distribution of blank forms of returns as shall be designated by the secretary of the Commonwealth.

SECT. 7. The secretary of the Commonwealth shall prepare and furnish to the clerks of the several cities and towns in this Commonwealth, blank books of suitable quality and size, to be used as books of record, according to the provisions of this act, and also blank forms of returns, as herein before specified, and shall accompany the same with such instructions and explanations as may be necessary and useful; and he shall receive said returns, and prepare therefrom such tabular results, as will render them of practical utility, and shall make report thereof annually to the legislature, and generally shall do whatever may be required to carry into effect the provisions of this act.

SECT. 8. Any clerk who shall neglect to comply with the requirements of this act, shall be liable to a penalty of ten dollars, to be recovered for the use of any city or town where such neglect shall be proved to have existed.

SECT. 9. An act entitled "an act relating to the registry of births, marriages, and deaths," passed on the third day of March, in the year one thousand eight hundred and forty-two, is hereby repealed.

SECT. 10. This act shall take effect from and after its passage.

[Approved by the Governor, March 16, 1844.]

CHAPTER 222 OF ACTS OF 1845.

AN ACT CONCERNING MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

The validity of any marriage in consequence of the incapacity of either of the parties thereto, to contract the same by reason of insanity or idiocy, shall not be called in question upon the trial of any collateral issue, before any of the courts of this Commonwealth, — but only in a process duly instituted, for the purpose of determining the validity thereof, during the life-time of both the parties thereto.

[Approved by the Governor, March 25, 1845.]

CHAPTER 202 OF ACTS OF 1849.¹

AN ACT RELATING TO THE REGISTRATION OF BIRTHS, MARRIAGES, AND DEATHS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. Town and city clerks are hereby authorized and required to obtain, record, and index the information concerning births, mar-

¹ Chapter 197 of Acts of 1846 relates to "Marriage and Divorce" but does not refer to the recording of marriages, nor the issuing of marriage licenses. — W. H. W.

riages, and deaths, now required by law. Towns and cities, containing more than ten thousand inhabitants, may choose a person, other than the town or city clerk, to be town or city registrar, to perform this duty instead of the town or city clerk; and said registrar shall take an oath faithfully to perform the duties of the office.

SECT. 2. The fees of the clerk and registrar, for obtaining, recording, and indexing the information required by this act, shall be as follows: For each birth, twenty cents; for each intention of marriage, including the certificate to the parties, fifty cents; for each marriage solemnized, ten cents; for each death, five cents; and the undertaker shall be allowed ten cents for information concerning each death which he returns to the clerk or registrar; said fees for births, deaths, and marriages solemnized, shall be paid by the town; and for intentions of marriage, by the parties having such intentions; *provided, however*, that the aggregate compensation, allowed to any clerk or registrar, may be limited by any town or city containing over ten thousand inhabitants, but, in no case, so as to prevent the full execution of this act.

SECT. 3. Any undertaker, or other person, having the superintendence of the burial of any deceased person, who shall neglect or refuse to obtain and return the information required by this act, concerning each person deceased, whose burial shall come under his superintendence, shall be liable to a penalty not exceeding twenty dollars for each neglect, and, if an undertaker, to be deprived of his office. And every clerk or registrar, who wilfully neglects or refuses to perform the duties herein prescribed, shall be liable to a penalty of not less than twenty, nor more than one hundred dollars, for each neglect or refusal. All penalties and forfeitures, under this act, may be recovered by any person who shall sue for the same, one-half thereof to the use of said complainant, and the other half to the use of the town or city in which the forfeiture shall have been incurred.

SECT. 4. The returns required to be made on the first day of February, in the year one thousand eight hundred and fifty, shall include the births, deaths, and marriages, from the first day of May, in the year one thousand eight hundred and forty-eight, to said day of return.

SECT. 5. Copies of records, in the several towns and cities, of the births, marriages, and deaths, which occurred during the next preceding year, ending December thirty-first, shall be returned to the Secretary of State, annually, on or before the first day of February. The blank forms of said returns shall be printed on paper of uniform size; and those for each year, when filled out and returned to the office of the Secretary of State, shall be bound together, in one or more volumes, and shall be furnished with an index. Blank books for indexes to the town registrars, [*sic*] shall be prepared by the Secretary of State, and furnished to the several towns and cities at the expense of the Commonwealth.

SECT. 6. All parts of acts inconsistent with the provisions of this act are hereby repealed.

[Approved by the Governor, May 2, 1849.]

CHAPTER 121 OF ACTS OF 1850.

AN ACT RELATING TO BANNS OF MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. All persons intending to be joined in marriage shall cause notice of their intention to be entered before their marriage, in the office of the clerk, registrar, or other officer appointed for such pur-

pose, of the city or town in which they may respectively dwell, (if within the State;) and if there be no such clerk in the place of their residence, the like entry shall be made with the clerk of an adjoining town.

SECT. 2. The clerk shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, which certificate shall be delivered to the minister or magistrate, in whose presence the marriage is to be contracted, before he shall proceed to solemnize the same.

SECT. 3. Whenever parties living in this Commonwealth shall go out of it for the purpose of having a marriage solemnized between them in another state, and a marriage shall be so solemnized, and they shall return to dwell here, they are hereby required to file a certificate or declaration of their marriage, including the facts concerning marriages now required by law, with the clerk or registrar of the town or city where either of them lived at the time, within seven days after their return, under a penalty of ten dollars, to be recovered in the manner and to the uses specified in the third section of the "act relating to the registration of births, marriages, and deaths," passed on the second day of May, in the year eighteen hundred and forty-nine.

SECT. 4. The fee of the clerk or registrar, for making the record of such marriage, shall be fifty cents, to be paid by the said parties.

SECT. 5. So much of the seventy-fifth chapter of the Revised Statutes as is inconsistent with this act, is hereby repealed; *provided, nevertheless*, that nothing herein contained shall be so construed as to modify or alter the provisions of the twenty-second section of the said seventy-fifth chapter, which relates to marriages among the people called Friends or Quakers, but the same shall remain in full force.

[Approved by the Governor, March 28, 1850.]

CHAPTER 335 OF ACTS OF 1853.

AN ACT IN ADDITION TO AN ACT RELATING TO BANNS OF MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. No clerk or registrar of any city or town shall issue any certificate of intention of marriage to any male person under the age of twenty-one years, or to any female person under the age of eighteen years, except it be upon the application of the parent, master, or guardian of such person, or with their consent in writing expressed, under a penalty not exceeding one hundred dollars, to be recovered by indictment, to the use of the commonwealth, in any court proper to try the same: *provided*, that if there be no parent, master, or guardian, in the state, competent to act, a certificate may be issued without the application or written consent aforesaid.

SECT. 2. The clerk or registrar of every city or town may require of any person who shall apply for a certificate of intention of marriage, an affidavit, sworn to before some justice of the peace for the county where such application is made, setting forth his or her age, and for the purposes of this act, such affidavit shall be proof of the age of the person to whom such a certificate shall be given.

[Approved by the Governor, May 12, 1853.]

CHAPTER 366 OF ACTS OF 1855.

AN ACT RELATING TO THE REGISTRATION OF BIRTHS, MARRIAGES,
AND DEATHS, IN THE STATE ALMSHOUSES.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

The superintendents of the State almshouses located at Monson, Tewksbury, and Bridgewater, are hereby authorized and required to make record of all the births and deaths which occur in the institutions under their care, and make returns of the same to the secretary of State, annually, as all town and city clerks are required to do by the act to which this is an act in addition ; and the town clerks of Monson, Tewksbury, and Bridgewater are hereby exempted from all duties herein required of the superintendents of the above named institutions.

[Approved by the Governor, May 17, 1855.]

CHAPTER 34 OF ACTS OF 1857.

AN ACT IN ADDITION TO AN ACT RELATING TO BANNS OF MARRIAGE.

Be it enacted, etc., as follows :

If any person, applying to any clerk or registrar of any city or town for a certificate of intention of marriage, shall wilfully practise any deception, by making any false statement in relation to the age or residence of either of the parties intending marriage, or in relation to the parent, master, or guardian of either of the said parties, such person shall be subject to a penalty of not more than two hundred dollars, to be recovered by indictment, to the use of the Commonwealth, in any court competent to try the same.

[Approved March 28, 1857.]

CHAPTER 195 OF ACTS OF 1860.

AN ACT CONCERNING FRAUDULENT NOTICES OF BIRTHS, MARRIAGES,
AND DEATHS.

Be it enacted, etc., as follows :

Any person who shall wilfully send to the publishers of any newspaper, for the purpose of publication, a fraudulent notice of the birth of a child, or of the marriage of any parties, or of the death of any person, shall, upon conviction thereof, be punished by a fine not exceeding one hundred dollars.

[Approved April 4, 1860.]

GENERAL STATUTES,

To take effect June 1, 1860.

CHAPTER 21.

OF THE REGISTRY AND RETURNS OF BIRTHS, MARRIAGES, AND DEATHS.

SECTION 1. The clerk of each city and town shall receive or obtain, and record and index, the following facts concerning the births, marriages, and deaths, therein, separately numbering and recording the same in the order in which he receives them, designating in separate columns:

In the record of births, the date of the birth, the place of birth, the name of the child, (if it have any,) the sex and color of the child, the names and the places of birth of the parents, the occupation of the father, the residence of the parents, and the date of the record;

In the record of marriages, the date of the marriage, the place of marriage, the name, residence, and official station of the person by whom married, the names and the places of birth of the parties, the residence of each, the age and color of each, the condition of each, (whether single or widowed,) the occupation, the names of the parents, and the date of the record;

In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition, (whether single, widowed, or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of the parents, the disease or cause of death, the place of burial, and the date of the record.

SECT. 2. Parents shall give notice to the clerk of their city or town of the births and deaths of their children; every householder shall give like notice of every birth and death happening in his house; the eldest person next of kin shall give such notice of the death of his kindred; the keeper of a workhouse, house of correction, prison, hospital, or almshouse, except the state almshouses at Tewksbury, Bridgewater, and Monson, and the master or other commanding officer of any ship shall give like notice of every birth and death happening among the persons under his charge. Whoever neglects to give such notice for the space of six months after a birth or death, shall forfeit a sum not exceeding five dollars.

SECT. 3. Any physician having attended a person during his last illness, shall, when requested within fifteen days after the decease of such person, forthwith furnish for registration a certificate of the duration of the last sickness, the disease of which the person died, and the date of his decease, as nearly as he can state the same. If any physician refuses or neglects to make such certificate, he shall forfeit and pay the sum of ten dollars to the use of the town in which he resides.

SECT. 4. Every sexton, undertaker, or other person having charge of a burial-ground, or the superintendent of burials having charge of the obsequies or funeral rites preliminary to the interment of a human body, shall forthwith obtain and return to the clerk of the city or town in which the deceased resided or the death occurred, the facts required by this chapter to be recorded by said officer concerning the deceased, and the person making such return shall receive from his city or town the fee of ten cents therefor.

The clerk, upon recording such facts, shall forthwith give to the person making such return, a certificate that such return has been made, which certificate such person shall deliver to the person having charge of the interment, if other than himself, before the burial when practicable, otherwise within seven days thereafter. When a burial takes place and no certificate is delivered as aforesaid, the sexton, undertaker, or other person having charge of the interment, shall forthwith give notice thereof to the clerk under penalty of twenty dollars.

SECT. 5. The clerk of each city and town shall annually on or before the first day of February, transmit to the secretary of the commonwealth, certified copies of the records of the births, marriages, and deaths, which have occurred therein during the year ending on the last day of the preceding December.

SECT. 6. The record of the town clerk relative to any birth, marriage, or death, shall be prima facie evidence, in legal proceedings, of the facts recorded. The certificate signed by the town clerk for the time being shall be admissible as evidence of any such record.

SECT. 7. The clerk shall receive from his city or town for obtaining, recording, indexing, and returning to the secretary of the commonwealth, the facts in relation to a birth, twenty cents; a marriage, ten cents; a death, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry, as the same shall be certified by the secretary of the Commonwealth; but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk. He shall forfeit a sum not less than twenty nor more than one hundred dollars for each refusal or neglect to perform any duty required of him by this chapter.

SECT. 8. The superintendents of the state almshouses at Tewksbury, Bridgewater, and Monson, shall obtain, record, and make return of, the facts in relation to the births and deaths which occur in their respective institutions, in like manner as is required of town clerks. The clerks of said towns shall, in relation to the births and deaths of persons in said almshouses, be exempt from the duties otherwise required of them by this chapter.

SECT. 9. The secretary shall at the expense of the Commonwealth prepare and furnish to the clerks of the several cities and towns, and to the superintendents of the state almshouses, blank books of suitable quality and size to be used as books of record under this chapter, blank books for indexes thereto, and blank forms for returns, on paper of uniform size; and shall accompany the same with such instructions and explanations as may be necessary and useful. City and town clerks shall make such distribution of blank forms of returns furnished by the secretary as he shall direct.

SECT. 10. The secretary shall cause the returns received by him for each year to be bound together in one or more volumes with indexes thereto. He shall prepare from the returns such tabular results as will render them of practical utility, make report thereof annually to the legislature, and do all other acts necessary to carry into effect the provisions of this chapter.

SECT. 11. Any city or town containing more than ten thousand inhabitants, may choose a person other than the clerk to be registrar, who shall be sworn, and to whom all the provisions of this chapter concerning clerks shall apply. The returns and notices required to be made and given to clerks shall be made and given to such registrar under like penalties.

SECT. 12. The secretary of this Commonwealth shall prosecute, by an action of tort, in the name of the Commonwealth, for the recovery of any penalty or forfeiture imposed by this [chapter] [act].

SECT. 13. Any city or town may make rules and regulations to enforce the provisions of this chapter, or to secure a more perfect registration of births, marriages, and deaths, therein.

GENERAL STATUTES OF 1860, CHAPTER 29.

KEEPING AND CUSTODY OF RECORDS.

SECT. 9. Registers of deeds, registers of courts, and the registers and clerks of courts, cities, and towns, shall keep all records and documents belonging to their offices in their sole custody, and shall in no case, except upon summons in due form of law, or when the temporary removal of records and documents in their custody is necessary or convenient for the transaction of the business of the courts or the performance of the duties of their respective offices, cause or permit any record or document to be removed or taken away.

SECT. 10. Under the direction of the officers having the custody of the county, city, and town records and files, the same shall be open for public inspection and examination, and any person may take copies thereof. And the several clerks and registers shall, on payment of a reasonable fee therefor, compare and certify, in the manner herein mentioned, all transcripts properly and correctly made for any county, city, or town, in pursuance of the provisions of this chapter.

GENERAL STATUTES OF 1860, CHAPTER 106.

OF MARRIAGE.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, sister, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, brother, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all cases mentioned in the two preceding sections in which the relationship is founded on marriage, the prohibition shall continue notwithstanding the dissolution of such marriage by death or divorce, unless the divorce is for a cause which shows the marriage to have been originally unlawful or void.

SECT. 4. All marriages contracted while either of the parties has a former wife or husband living, except as is provided in chapter one hundred and seven, shall be void.

SECT. 5. No insane person or idiot shall be capable of contracting marriage.

SECT. 6. When persons resident in this State, in order to evade the preceding provisions and with an intention of returning to reside in this state, go into another state or country and there have their marriage solemnized, and afterwards return and reside here, the marriage shall be deemed void in this state.

SECT. 7. Persons intending to be joined in marriage shall before their marriage cause notice thereof to be entered in the office of the clerk or registrar of the city or town in which they respectively dwell, if within the state. If there is no such clerk or registrar in the place of their residence, the entry shall be made in an adjoining city or town.

SECT. 8. The clerk or registrar shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, together with all facts in relation to the

marriage required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized. Such certificate shall be delivered to the minister or magistrate in whose presence the marriage is to be contracted, before he proceeds to solemnize the same.

SECT. 9. If a clerk or registrar issues such certificate to a male under the age of twenty-one years, or a female under the age of eighteen years, having reasonable cause to suppose the person to be under such age, except upon the application or consent in writing of the parent, master, or guardian, of such person, he shall forfeit a sum not exceeding one hundred dollars; but if there is no parent, master, or guardian, in this state competent to act, a certificate may be issued without such application or consent.

SECT. 10. The clerk or registrar may require of any person applying for such certificate, an affidavit sworn to before a justice of the peace for the county where the application is made, setting forth the age of the parties; which affidavit shall be sufficient proof of age to authorize the issuing of the certificate.

SECT. 11. Whoever applying for such certificate wilfully makes a false statement in relation to the age or residence, parent, master, or guardian, of either of the parties intending marriage, shall forfeit a sum not exceeding two hundred dollars.

SECT. 12. When a marriage is solemnized in another state between parties living in this state, and they return to dwell here, they shall within seven days after their return file with the clerk or registrar of the city or town where either of them lived at the time, a certificate or declaration of their marriage, including the facts concerning marriages required by law, and for every neglect they shall forfeit ten dollars.

SECT. 13. No magistrate or minister shall solemnize a marriage, having reasonable cause to suppose either of the parties to be under the age mentioned in section nine, without the consent of the parent or guardian having the custody of the minor, if there is any in the state competent to act.

SECT. 14. Marriages may be solemnized by a justice of the peace in the county for which he is appointed, when either of the parties resides in the same county; and throughout the state by any minister of the gospel ordained according to the usage of his denomination, who resides within the state and continues to perform the functions of his office; but all marriages shall be solemnized in the city or town in which the person solemnizing them resides, or in which one or both of the persons to be married reside.

SECT. 15. Marriages among the people called Friends or Quakers may be solemnized in the manner heretofore used and practised in their societies.

SECT. 16. Every justice of the peace, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers are solemnized, shall make a record of each marriage solemnized before him, together with all facts relating to the marriage required by law to be recorded. He shall also between the first and tenth days of each month return a copy of the record for the month next preceding, to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when neither of the parties to a marriage resides in the city or town in which the marriage is solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which one or both of said parties reside. All marriages so returned shall be recorded by the clerk or registrar.

SECT. 17. Every person neglecting to make the returns required by the preceding section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 18. A justice of the peace or minister who joins persons in

marriage contrary to the provisions of this chapter, knowing that the marriage is not duly authorized, shall forfeit not less than fifty nor more than one hundred dollars.

SECT. 19. Whoever undertakes to join persons in marriage knowing that he is not authorized so to do, shall be imprisoned in the jail or confined to hard labor for a term not exceeding six months, or pay a fine of not less than fifty nor more than two hundred dollars.

SECT. 20. No marriage solemnized before a person professing to be a justice of the peace or minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, by want of jurisdiction or authority in such person, or by an omission or informality in the manner of entering the intention of marriage, if the marriage is in other respects lawful, and is consummated with a full belief on the part of the persons so married, or either of them, that they have been lawfully joined in marriage.

SECT. 21. The record of a marriage, made and kept as prescribed by law by the person before whom the marriage is solemnized, or by the clerk or registrar of any city or town, or a copy of such record duly certified, shall be received in all courts and places as presumptive evidence of such marriage.

SECT. 22. When the fact of marriage is required or offered to be proved before any court, evidence of the admission of such fact by the party against whom the process is instituted, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence from which the fact may be inferred, shall be competent.

SECT. 23. Marriages solemnized in a foreign country by a consul or diplomatic agent of the United States shall be valid in this State; and a copy of the record of a certificate from such consul or agent shall be presumptive evidence of such marriage.

GENERAL STATUTES OF 1860, CHAPTER 157.

TOWN CLERKS.

SECT. 9. For entering notice of an intention of marriage and issuing the certificate thereof, and for entering the certificate of marriage filed by persons married out of the State, fifty cents, to be paid by the parties:

For a certificate of a birth or death, ten cents:

For copies of town records and other documents furnished to any person at his request, if containing less than one page, ten cents, and if more, at the rate of twelve cents a page.

MINISTERS, ETC., FOR MARRIAGES.

SECT. 10. For lawfully solemnizing and certifying a marriage by a minister or justice of the peace, one dollar and twenty-five cents.

SECT. 15. The word "page" when used as the measure of computation, shall mean two hundred and twenty-four words.

CHAPTER 96 OF ACTS OF 1865.

AN ACT RELATING TO THE REGISTRY AND RETURN OF BIRTHS.

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of every physician and midwife in the several cities and towns in this Commonwealth, on or before the tenth day of each month, to forward to the clerk of each city and town

a correct list of the births of all children born therein during the month next preceding, at which such physician or midwife was present; stating therein, as nearly as practicable, the place and date of each birth, the name, sex, and color of the child, the names, places of birth, and residence of the parents, and the occupation of the father.

SECT. 2. For every certificate of a birth, the physician or midwife shall receive twenty-five cents from such city or town; and any physician or midwife neglecting to forward such list for six months after it is due, shall forfeit a sum not exceeding five dollars, to be recovered as provided in the twelfth section of the twenty-first chapter of the General Statutes.

SECT. 3. This act shall take effect upon its passage.

Approved March 24, 1865.

CHAPTER 138 OF ACTS OF 1866.

AN ACT CONCERNING THE REGISTRY AND RETURN OF MARRIAGES, BIRTHS, AND DEATHS.

Be it enacted, etc., as follows:

SECTION 1. The clerk of each city and town except in such cities and towns as choose a registrar, under the eleventh section of the twenty-first chapter of the General Statutes, in which cases the provisions of this act shall apply to the registrar, for receiving or obtaining, recording, indexing and returning the facts relating to marriages, births and deaths occurring therein, shall be entitled to receive therefrom the sums following, viz.: for each marriage, fifteen cents; for each birth, thirty cents; for each death returned to him by the persons specified in sections two, three and four of chapter twenty-one of the General Statutes, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry; for each death not so returned, but by him obtained and recorded, twenty cents.

SECT. 2. Chapter ninety-six of the acts of the year eighteen hundred and sixty-five, and so much of section seven of the twenty-first chapter of the General Statutes as is inconsistent herewith, are hereby repealed.

SECT. 3. This act shall take effect upon its passage.

Approved April 7, 1866.

CHAPTER 58 OF ACTS OF 1867.

AN ACT RELATING TO THE MARRIAGE OF NON-RESIDENT PARTIES.

Be it enacted, etc., as follows:

SECTION 1. Persons living without the Commonwealth and intending to be joined in marriage within the Commonwealth, shall, before their marriage, cause notice of their intention to be entered in the office of the clerk or registrar of the city or town in which they propose to have the marriage solemnized; and no marriage between such parties shall be solemnized until they shall have delivered to the justice of the peace, or minister, in whose presence the marriage is to be contracted, a certificate from such clerk or registrar, specifying the time when notice of the intention of marriage was entered with him, together with all the facts in relation to the marriage required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized.

SECT. 2. Marriages may be solemnized by a justice of the peace in the county for which he is appointed.

SECT. 3. A justice of the peace or minister who joins persons in marriage contrary to the provisions of this act shall forfeit not less than fifty nor more than one hundred dollars.

Approved March 11, 1867.

CHAPTER 248 OF ACTS OF 1867.

AN ACT IN RELATION TO MARRIAGE CONTRACTS.

Be it enacted, etc., as follows :

SECTION 1. No marriage contract heretofore made between parties, both of whom are now living, or which may be hereafter made, shall be invalid as between the parties thereto and their heirs and personal representatives by reason of the failure to record the same as required by section twenty-eight of chapter one hundred and eight of the General Statutes.

SECT. 2. This act shall take effect upon its passage.

Approved May 18, 1867.

CHAPTER 145 OF ACTS OF 1873.

AN ACT FIXING THE FEES OF CLERKS AND REGISTRARS FOR THE REGISTRY AND RETURN OF BIRTHS.

Be it enacted, etc., as follows :

SECTION 1. The clerk or registrar of a city or town shall receive the sum of fifty cents for receiving or obtaining, recording, indexing and returning the facts relating to each birth : but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk or registrar.

SECT. 2. This act shall take effect upon its passage.

Approved April 2, 1873.

CHAPTER 202 OF ACTS OF 1873.

AN ACT RELATING TO THE FEES OF SEXTONS AND OTHERS.

Be it enacted, etc., as follows :

SECTION 1. Section four of chapter twenty-one of the General Statutes is amended by striking out the word "ten" after the words "fee of," and inserting instead thereof the word "twenty-five."

SECT. 2. This act shall take effect upon its passage.

Approved April 16, 1873.

CHAPTER 341 OF ACTS OF 1873.

AN ACT CONCERNING FEES OF TOWN CLERKS FOR OBTAINING AND RECORDING THE FACTS RELATING TO DEATHS.

Be it enacted, etc., as follows :

Chapter one hundred and thirty-eight of the acts of the year eighteen hundred and sixty-six is amended by striking out the words "twenty cents" at the close of section one, and substituting therefor the words "thirty-five cents."

Approved June 6, 1873.

CHAPTER 21 OF ACTS OF 1875.

AN ACT TO AMEND SECTION FIVE OF CHAPTER TWENTY-ONE OF THE GENERAL STATUTES, IN RELATION TO THE REGISTRY AND RETURNS OF BIRTHS, MARRIAGES AND DEATHS.

Be it enacted, etc., as follows :

SECTION 1. Section five of chapter twenty-one, of the General Statutes, is hereby amended by striking out the word "February" in the second line of said section and inserting in place thereof the word "March."

SECT. 2. This act shall take effect upon its passage.

Approved February 19, 1875.

CHAPTER 174 OF ACTS OF 1878.

AN ACT TO PROVIDE FOR THE MORE ACCURATE REGISTRATION OF VITAL STATISTICS.

Be it enacted, etc., as follows :

SECTION 1. No human body shall be buried, or removed from any city or town, until a proper certificate has been given by the clerk or local registrar of statistics to the undertaker or sexton, or person performing the burial, or removing the body. This certificate shall state that the facts required by chapter twenty-one of the General Statutes have been returned and recorded; and no clerk or local registrar shall give such certificate or burial permit until the certificate of the cause of death has been obtained from the physician, if any, in attendance at the last sickness of the deceased, and placed in the hands of said clerk or local registrar: *provided*, that in those cities and towns where local boards of health have been established, the certificate of the cause of death shall be approved by such board before a permit to bury is given by the registrar or clerk. Upon application, the chairman of the local board of health or any physician employed by any city or town for such purpose, shall sign the certificate of the cause of death to the best of his knowledge and belief, if there has been no physician in attendance. He shall also sign such certificate, upon application, in case of death by dangerous contagious disease, or in any other event when the certificate of the attending physician cannot for good and sufficient reasons be early enough obtained. In case of death by violence, the medical examiner attending shall furnish the requisite medical certificate. Any person violating the provisions of this section shall be punished by a fine not exceeding twenty-five dollars.

SECT. 2. This act shall take effect on the first day of May in the year eighteen hundred and seventy-eight; and all acts and parts of acts inconsistent herewith are hereby repealed.

Approved April 23, 1878.

CHAPTER 7 OF ACTS AND RESOLVES OF 1879.

RESOLVE RELATING TO THE TRANSFER OF CERTAIN RECORD OF MARRIAGES FOR THE COUNTY OF SUFFOLK FROM THE YEAR SEVENTEEN HUNDRED AND SIXTEEN TO THE YEAR SEVENTEEN HUNDRED AND THIRTY-ONE.

Resolved, That the clerk of the supreme judicial court for the county of Suffolk transfer to the city registrar of the city of Boston, the volume

containing the record of marriages in Suffolk county from the year seventeen hundred and sixteen to the year seventeen hundred and thirty-one inclusive.

Approved February 19, 1879.

CHAPTER 116 OF ACTS OF 1879.

AN ACT IN RELATION TO RETURNS OF MARRIAGES.

Be it enacted, etc., as follows :

SECTION 1. Every justice of the peace, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers are solemnized, shall make a record of each marriage solemnized before him, together with all facts relating to the marriage required by law to be recorded. He shall also between the first and tenth days of each month return a copy of the record for the month next preceding, to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when one or both of the parties to a marriage resides in a city or town other than that in which the marriage is solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which either party resides, and to both cities or towns when the parties reside in different places. All marriages so returned shall be recorded by the clerk or registrar.

SECT. 2. Every person neglecting to make the returns required by the preceding section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 3. Sections sixteen and seventeen of chapter one hundred and six of the General Statutes are hereby repealed.

Approved March 13, 1879.

CHAPTER 33 OF ACTS OF 1880.

AN ACT TO COMPEL A MORE ACCURATE REGISTRATION OF BIRTHS.

Be it enacted, etc., as follows :

SECTION 1. It shall be the duty of every physician and midwife in the several cities and towns in this Commonwealth, excepting Boston, to report on or before the fifth day of each month to the clerk of each city and town a correct list of births of all children born therein during the month next preceding at which such physician or midwife was present, stating therein the place, date of each birth, and parents' names.

SECT. 2. Town and city clerks shall give public notice that they are prepared to furnish the necessary blanks to all physicians and midwives applying therefor.

SECT. 3. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty dollars.

SECT. 4. This act shall take effect upon its passage.

Approved February 26, 1880.

CHAPTER 11 OF ACTS OF 1881.

AN ACT CONCERNING MARRIAGES IN THE SOCIETY OF FRIENDS.

Be it enacted, etc., as follows :

SECTION 1. Section sixteen of chapter one hundred and six of the General Statutes is hereby amended by inserting after the word "him," in the fourth line, the words "or in the said meeting."

SECT. 2. Section twenty of said chapter is hereby amended by inserting after the word "gospel," in the second line, the words "or in the Society of Friends according to its usages," and by inserting after the word "person," in the fourth line, the words "or Society of Friends."

SECT. 3. This act shall take effect upon its passage.

Approved February 9, 1881.

CHAPTER 32 OF THE PUBLIC STATUTES.

[Enacted November 19, 1881, to take effect February 1, 1882.]

RECORDS OF BIRTHS, MARRIAGES AND DEATHS.

SECTION 1. The clerk of each city and town shall receive or obtain and record and index, the following facts concerning the births, marriages and deaths therein, separately numbering and recording the same in the order in which he receives them, designating in separate columns as follows :

In the record of births, the date of birth, the place of birth, the name of the child, (if it has any,) the sex and color of the child, the names and places of birth of the parents, the occupation of the father, the residence of the parents, and the date of the record.

In the record of marriages, the date of the marriage, the place of marriage, the name, residence and official station of the person by whom married, the names and the places of birth of the parties, the residence of each, the age and color of each, the condition of each, (whether single or widowed,) the occupation, the names of the parents, and the date of the record.

In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition, (whether single, widowed, or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of the parents, the disease or cause of death, the place of burial, and the date of the record.

SECT. 2. Parents shall give notice to the clerk of their city or town of the births and deaths of their children ; every householder shall give like notice of every birth and death happening in his house ; the eldest person next of kin shall give such notice of the death of his kindred ; the keeper of a workhouse, house of correction, prison, hospital, or almshouse, except the State almshouse, and the master or other commanding officer of a ship, shall give like notice of every birth and death happening among the persons under his charge. Whoever neglects to give such notice for the space of six months after a birth or death shall forfeit a sum not exceeding five dollars.

SECT. 3. A physician who has attended a person during his last illness shall, when requested within fifteen days after the decease of such person, forthwith furnish for registration a certificate of the duration of the last sickness, the disease of which the person died, and the date of his decease, as nearly as he can state the same. If a physician refuses

or neglects to make such certificate, he shall forfeit ten dollars to the use of the town in which he resides.

SECT. 4. Every sexton, undertaker, or other person having charge of a burial-ground, and every undertaker or superintendent of burials having charge of the funeral rites preliminary to the interment of a human body, shall forthwith obtain and return to the clerk of the city or town in which the deceased resided, or the death occurred, the facts required by this chapter to be recorded by said officer concerning the deceased, and the person making such return shall receive from his city or town the fee of twenty-five cents therefor.

SECT. 5. No human body shall be buried or removed from any city or town until a proper certificate has been given by the clerk or registrar to the undertaker, sexton or other person performing the burial or removing the body. Such certificate shall state that the facts required by this chapter have been returned and recorded; and no clerk or registrar shall give such certificate or burial permit until the certificate of the cause of death has been obtained from the physician, if any, in attendance at the last sickness of the deceased, and placed in the hands of said clerk or registrar; and in cities and towns where there are boards of health, the certificate of the cause of death shall also be approved by such board before a permit to bury is given by the registrar or clerk. Upon application, the chairman of the board of health, or any physician employed by any city or town for such purpose, shall sign the certificate of the cause of death to the best of his knowledge and belief, if there has been no physician in attendance. He shall also sign such certificate, upon application, in case of death by dangerous contagious disease, or in any other event when the certificate of the attending physician cannot for good and sufficient reasons be early enough obtained. In case of death by violence, the medical examiner attending shall furnish the requisite medical certificate. Any person violating the provisions of this section shall be punished by fine not exceeding twenty-five dollars.

SECT. 6. The boards of health of towns and the mayor and aldermen of cities shall, on or before the first day of July in each year, license a suitable number of undertakers to take charge of the funeral rites preliminary to the interment of a human body.

SECT. 7. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city and town, except Boston, a correct list of all children born therein during the month next preceding at the birth of which they were present, stating the place and date of each birth, and the parents' names.

SECT. 8. The clerk of each city and town shall give public notice that he is prepared to furnish, to all physicians and midwives applying therefor, blanks for returns under the preceding section.

SECT. 9. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty dollars.

SECT. 10. The clerk of each city and town shall annually, on or before the first day of March, transmit to the secretary of the commonwealth certified copies of the records of the births, marriages and deaths which have occurred therein during the year ending on the last day of the preceding December.

SECT. 11. The record of the town clerk relative to a birth, marriage or death, shall be prima facie evidence, in legal proceedings, of the facts recorded. A certificate, signed by the town clerk for the time being, shall be admissible as evidence of such record.

SECT. 12. The clerk of each city and town, (except in such cities and towns as choose a registrar, in which cases the provisions of this section shall apply to the registrar,) for receiving or obtaining, recording, indexing, and returning the facts relating to marriages,

births and deaths occurring therein, shall be entitled to receive from the city or town for each marriage, fifteen cents; for each birth, fifty cents; for each death returned to him by the persons specified in sections two, three, and four, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry; for each death not so returned, but by him obtained and recorded, thirty-five cents, as the same shall be certified by the secretary of the commonwealth; but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk or registrar. He shall forfeit not less than twenty nor more than one hundred dollars for each refusal or neglect to perform any duty required of him by sections one, two, three, four, ten, twelve, fourteen, sixteen, and eighteen.

SECT. 13. The superintendent of the state almshouse shall obtain, record, and make return of the facts in relation to the births and deaths which occur in his institution, in like manner as is required of town clerks. The clerk of a town in which such almshouse is located shall, in relation to the births and deaths of persons in said almshouse, be exempt from the duties otherwise required of him by this chapter.

SECT. 14. The secretary shall at the expense of the commonwealth prepare and furnish to the clerks of the several cities and towns, and to the superintendent of the state almshouse, blank books of suitable quality and size to be used as books of record under this chapter, blank books for indexes thereto, and blank forms for returns, on paper of uniform size; and shall accompany the same with such instructions and explanations as may be necessary and useful. City and town clerks shall make such distribution of blank forms of returns furnished by the secretary as he shall direct.

SECT. 15. The secretary shall cause the returns received by him for each year to be bound together in one or more volumes with indexes thereto. He shall prepare from the returns such tabular results as will render them of practical utility, make report thereof annually to the general court, and do all other acts necessary to carry into effect the provisions of this chapter.

SECT. 16. A city or town containing more than ten thousand inhabitants may choose a person other than the clerk to be registrar, who shall be sworn, and to whom all the provisions of this chapter concerning clerks shall apply. The returns and notices required to be made and given to clerks shall be made and given to such registrar under like penalties.

SECT. 17. The secretary of the Commonwealth shall prosecute, by an action of tort in the name of the Commonwealth, for the recovery of any penalty or forfeiture imposed by sections two, three, twelve, sixteen, and eighteen.

SECT. 18. A city or town may make rules and regulations to enforce the provisions of this chapter, or to secure a more perfect registration of births, marriages, and deaths therein.

CHAPTER 37 OF THE PUBLIC STATUTES.

OF THE PUBLIC RECORDS.

SECT. 5. A city or town may cause to be carefully copied such of its records as relates to grants of land, — and also any records of births and marriages kept by such city or town or by a parish within the same.

SECT. 12. Registers of deeds and the registers and clerks of courts, cities and towns shall keep all records and documents belonging to their respective offices in their sole custody, and shall in no case, except upon summons in due form of law or when the temporary removal of

records and documents in their custody is necessary or convenient for the transaction of the business of the courts or the performance of the duties of their respective offices, cause or permit any record or document to be removed therefrom.

SECT. 13. Under the direction of the officers having the custody of any county, city or town records or files, all such records and files shall be open for public inspection and examination, and any person may take copies thereof. And the several clerks and registers shall, on payment of a reasonable fee therefor, compare and certify all copies properly and correctly made in pursuance of the provisions of this chapter.

CHAPTER 145 OF THE PUBLIC STATUTES.

OF MARRIAGE.

CERTAIN MARRIAGES PROHIBITED.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, sister, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, brother, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all cases in which the relationship mentioned in the two preceding sections is founded on marriage, the prohibition shall continue notwithstanding the dissolution by death or divorce of the marriage on which such relationship is founded, unless the divorce is for a cause which shows such marriage to have been originally unlawful or void.

SECT. 4. All marriages contracted while either of the parties has a former wife or husband living, except as is provided in chapter one hundred and forty-six, shall be void.

SECT. 5. No insane person or idiot shall be capable of contracting marriage.

SECT. 6. No magistrate or minister shall solemnize a marriage, when he has reasonable cause to suppose the male to be under the age of twenty-one years or the female to be under the age of eighteen years, except with the consent of the parent or guardian having the custody of the minor, if there is any such parent or guardian in the Commonwealth competent to act.

SECT. 7. Every marriage solemnized within this Commonwealth, which is prohibited on account of consanguinity or affinity between the parties, or on account of either of them having a former wife or husband living, or when either party was insane or an idiot, shall be void without a decree of divorce or other legal process.

SECT. 8. Every marriage solemnized when either party was under the age of consent shall be similarly void, if the parties separate during such nonage, and do not afterwards cohabit.

SECT. 9. The validity of a marriage shall not be questioned in the trial of a collateral issue on account of the insanity or idiocy of either party, but such question shall only be raised in a process instituted to test such validity in the lifetime of both parties.

SECT. 10. When persons resident in this Commonwealth, in order to evade any of the provisions of the first five sections of this chapter, and with an intention of returning to reside in this Commonwealth, go into another state or country and there have their marriage solemn-

nized, and afterwards return and reside here, the marriage shall be deemed void in this Commonwealth.

SECT. 11. When the validity of a marriage is doubted, either party may file a libel for annulling such marriage, or, when the validity of a marriage is denied or doubted by either party, the other party may file a libel for affirming the same. Such libel shall be filed in the same manner as a libel for divorce, and all the provisions of chapter one hundred and forty-six relative to libels for divorce, and section twenty-four of said chapter, relative to the powers of the court in relation thereto, shall, so far as applicable, apply to libels under this section. Upon proof of the nullity or validity of the marriage, it shall be declared void, or affirmed by a decree of the court, and such decree of nullity may be made notwithstanding the marriage was solemnized out of the Commonwealth, if the libellant had his domicile in the Commonwealth when the marriage was solemnized and also when the libel was filed, and such decree affirming a marriage shall be conclusive upon all persons concerned.

LEGITIMACY, CARE, ETC., OF ISSUE OF VOID MARRIAGES.

SECT. 12. The issue of a marriage declared void on account of consanguinity or affinity between the parties shall be deemed to be illegitimate.

SECT. 13. The issue of a marriage declared void on account of the nonage, insanity or idiocy of either party shall be deemed to be the legitimate issue of the parent who was capable of contracting the marriage.

SECT. 14. When a marriage is declared void on account of a prior marriage of either party, and it appears that the second marriage was contracted in good faith and with the full belief of the parties that the former husband or wife was dead, that fact shall be stated in the decree, and the issue of the second marriage, born or begotten before the commencement of the suit, shall be deemed to be the legitimate issue of the parent capable of contracting the marriage.

SECT. 15. Upon or after a decree of nullity the court shall have similar power to make orders concerning the care, custody and maintenance of the minor children of the parties as upon a decree of divorce.

NOTICE OF INTENTION OF MARRIAGE.

SECT. 16. Persons intending to be joined in marriage in this Commonwealth shall before their marriage cause notice of their intention to be entered in the office of the clerk or registrar of the city or town in which they respectively dwell, or, if they do not dwell within the Commonwealth, in the office of the clerk or registrar of the city or town in which they propose to have the marriage solemnized. If there is no such clerk or registrar in the place of their residence, the entry shall be made in an adjoining city or town.

SECT. 17. The clerk or registrar shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, together with all facts in relation to the marriage which are required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized. Such certificate shall be delivered to the minister or magistrate before whom the marriage is to be contracted, before he proceeds to solemnize the same.

SECT. 18. If a clerk or registrar issues such certificate to a male under the age of twenty-one years, or to a female under the age of eighteen years, when he has reasonable cause to suppose the person to be under such age, except upon the application or consent in writing of the parent, master or guardian of such person, he shall forfeit a

sum not exceeding one hundred dollars; but if there is no parent, master or guardian in this Commonwealth competent to act, a certificate may be issued without such application or consent.

SECT. 19. The clerk or registrar may require of any person applying for such certificate an affidavit setting forth the age of the parties; which affidavit shall be sworn to before a justice of the peace, and shall be sufficient proof of age to authorize the issuing of the certificate.

SECT. 20. Whoever, when applying for such certificate, wilfully makes a false statement in relation to the age, residence, parent, master or guardian of either of the parties intending marriage, shall forfeit a sum not exceeding two hundred dollars.

SECT. 21. When a marriage is solemnized in another state between parties living in this Commonwealth, and they return to dwell here, they shall within seven days after their return file with the clerk or registrar of the city or town where either of them lived at the time a certificate or declaration of their marriage, including the facts concerning marriages required by law; and for every neglect so to do they shall forfeit ten dollars.

BY WHOM AND HOW MARRIAGE MAY BE SOLEMNIZED.

SECT. 22. A marriage may be solemnized by a justice of the peace or by a minister of the gospel, ordained according to the usage of his denomination, who resides in the Commonwealth and continues to perform the functions of his office; but every marriage shall be solemnized in the city or town in which the person solemnizing it resides, or in which one or both of the persons to be married reside.

SECT. 23. A marriage among the people called Friends or Quakers may be solemnized in the manner heretofore used and practised in their societies.

SECT. 24. Every justice of the peace, minister and clerk or keeper of the records of a meeting wherein marriages among Friends or Quakers are solemnized shall make a record of each marriage solemnized before him, or in such meeting, and of all facts relating to the marriage which are required by law to be recorded. He shall also, between the first and tenth days of each month, return a copy of all such records for the month next preceding to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when one or both of the parties to the marriage resided in a city or town other than that in which the marriage was solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which either party resided, and to the clerks or registrars of both cities or towns when the parties resided in different places. All marriages so returned shall be recorded by the clerk or registrar, and every person neglecting to make the returns required by this section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 25. A justice of the peace or minister who joins persons in marriage contrary to the provisions of this chapter, knowing that the marriage is not duly authorized, shall forfeit not less than fifty nor more than one hundred dollars.

SECT. 26. Whoever undertakes to join persons in marriage, knowing that he is not authorized so to do, shall be imprisoned in the jail for a term not exceeding six months, or pay a fine of not less than fifty nor more than two hundred dollars.

SECT. 27. No marriage solemnized before a person professing to be a justice of the peace or a minister of the gospel, or solemnized in the society of Friends according to the usages of said society, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected by want of jurisdiction or authority in such person or society, or by an omission or by informality in the manner of enter-

ing the intention of marriage, if the marriage is in other respects lawful, and is consummated with a full belief on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.

SECT. 28. Marriages solemnized in a foreign country by a consul or diplomatic agent of the United States shall be valid in this Commonwealth.

EVIDENCE OF MARRIAGE.

SECT. 29. The record of a marriage, made and kept as prescribed by law by the person before whom the marriage has been solemnized, or by the clerk or registrar of a city or town, or a copy of such record duly certified, shall be received in all courts and places as presumptive evidence of such marriage.

SECT. 30. When a marriage has been solemnized by a consul or diplomatic agent of the United States, a copy of the record or a certificate from such consul or agent shall be presumptive evidence of such marriage.

SECT. 31. When the fact of marriage is required or offered to be proved before a court, evidence of the admission of such fact by the party against whom the process is instituted, or evidence of general repute or of cohabitation as married persons, or any other circumstantial or presumptive evidence from which the fact may be inferred, shall be competent.

CHAPTER 199 OF THE PUBLIC STATUTES.

TOWN CLERKS.

SECT. 16. The fees of town clerks shall be as follows :

For entering notice of an intention of marriage and issuing the certificate thereof, and for entering the certificate of marriage filed by persons married out of the state, fifty cents, to be paid by the parties.

For a certificate of a birth or death, ten cents.

MINISTERS, ETC., FOR MARRIAGES.

SECT. 17. For lawfully solemnizing and certifying a marriage, a minister or justice of the peace shall be entitled to receive one dollar and twenty-five cents.

CHAPTER 207 OF THE PUBLIC STATUTES.

FRAUDULENT NOTICES.

SECT. 68. Whoever wilfully sends to the publisher of a newspaper, for the purpose of publication, a false notice of a birth, marriage or death, shall be punished by fine not exceeding one hundred dollars.

CHAPTER 124 OF ACTS OF 1883.

AN ACT RELATING TO THE REMOVAL AND TRANSPORTATION OF CERTAIN BODIES FOR BURIAL.

Be it enacted, etc., as follows :

SECTION 1. Section five of chapter thirty-two of the Public Statutes, relating to the burial or removal of bodies for burial, is amended by inserting in the eleventh line thereof, after the word "bury," the words "or remove."

SECT. 2. No railroad corporation, or other common carrier or person, shall convey or cause to be conveyed, through or from any city or town in this Commonwealth, the remains of any person who has died of small-pox, scarlet fever, diphtheria, or typhoid fever, until such body has been so encased and prepared as to preclude any danger of communicating the disease to others by its transportation; and no local registrar or clerk shall give a permit for the removal of such body until he has received from the board of health of the city, or the selectmen of the town where the death occurred, a certificate, stating the cause of death, and that said body has been prepared in the manner set forth in this section, which certificate shall be delivered to the agent or person who receives the body.

SECT. 3. This act shall take effect upon its passage.

Approved April 11, 1883.

CHAPTER 158 OF ACTS OF 1883.

AN ACT IN RELATION TO THE RETURNS OF BIRTHS BY PHYSICIANS AND MIDWIVES.

Be it enacted, etc., as follows :

SECTION 1. Section seven of chapter thirty-two of the Public Statutes is amended so as to read as follows: "Sect. 7. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town, except Boston, a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child (if it has any), the sex and color of the child, the name, place of birth and residence of the parents, and the occupation of the father. The fee of the physician or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made."

SECT. 2. This act shall take effect upon its passage.

Approved May 3, 1883.

CHAPTER 36 OF ACTS OF 1886.

AN ACT TO AMEND SECTION ELEVEN OF CHAPTER ONE HUNDRED AND FORTY-FIVE OF THE PUBLIC STATUTES RELATING TO MARRIAGE.

Be it enacted, etc., as follows :

SECTION 1. Section eleven of chapter one hundred and forty-five of the Public Statutes is hereby amended, by inserting in the fourteenth line of said section after the word "filed," the following words: — or has resided in this Commonwealth for five years next preceding the filing of said libel, unless it appears that said libellant has removed into this Commonwealth for the purpose of obtaining said decree.

SECT. 2. This act shall take effect upon its passage.

Approved March 2, 1886.

CHAPTER 202 OF ACTS OF 1887.

AN ACT IN RELATION TO THE RETURN AND RECORD OF BIRTHS MARRIAGES AND DEATHS.

Be it enacted, etc., as follows :

SECTION 1. Section five of chapter thirty-seven of the Public Statutes is hereby amended by inserting the word: — deaths, — after the

word "births" in the fourth line thereof, so that the same shall read: — also any records of births, deaths and marriages kept by such city or town or by a parish within the same.

SECT. 2. Section four of chapter thirty-two of the Public Statutes is hereby amended by adding at the end thereof the words: — all such returns shall be preserved by said clerk or registrar, and filed, arranged and indexed conveniently for examination and reference.

SECT. 3. Section twenty-four of chapter one hundred and forty-five is hereby amended by adding at the end thereof the words: — all such returns shall be preserved by said clerk or registrar, and filed, arranged and indexed conveniently for examination and reference.

SECT. 4. The provisions of sections two and three of this act shall apply to all returns of marriages and deaths now in the offices of town and city clerks and city registrars.

SECT. 5. Section one of chapter thirty-two of the Public Statutes is hereby amended by inserting after the word "burial" in the twentieth line of said section the words: — if the deceased was a married woman the name of her husband.

SECT. 6. This act shall take effect upon its passage.

Approved April 20, 1887.

CHAPTER 63 OF ACTS OF 1888.

AN ACT TO AMEND SECTION THREE OF CHAPTER THIRTY-TWO OF THE PUBLIC STATUTES RELATING TO THE FURNISHING, BY PHYSICIANS, OF CERTIFICATES OF DEATH.

Be it enacted, etc., as follows:

SECTION 1. Section three of chapter thirty-two of the Public Statutes is hereby amended by striking out after the words "when requested" in the second line thereof, the words "within fifteen days after the decease of such person."

SECT. 2. This act shall take effect upon its passage.

Approved February 27, 1888.

CHAPTER 306 OF ACTS OF 1888.

AN ACT RELATING TO THE CERTIFICATES AND REGISTRY OF DEATHS, AND THE BURIAL AND REMOVAL OF BODIES OF DECEASED PERSONS.

Be it enacted etc., as follows:

SECTION 1. Section three of chapter thirty-two of the Public Statutes, requiring attending physicians to furnish for registration certain facts relating to deceased persons, is amended so as to read as follows: — *Section 3.* A physician who has attended a person during his last illness shall, when requested, forthwith furnish for registration, a certificate stating, to the best of his knowledge and belief, the name of the deceased, his age, the disease of which he died, the duration of his last sickness, and the date of his decease. If the physician neglect or refuse to make a certificate as aforesaid, he shall be punished by a fine not exceeding fifty dollars.

SECT. 2. Section five of said chapter, prohibiting the burial or removal of a human body until a proper certificate is furnished, is amended so as to read as follows:

Section 5. No undertaker, sexton or any other person shall bury in a city or town or remove therefrom the

body of a deceased person until he has received a permit so to do from the board of health or its duly appointed agent, or, if there is no board of health in such city or town, from the city or town clerk. No such permit shall be issued until there has been delivered to such board, or agent or clerk, as the case may be, a satisfactory written statement containing the facts required by this chapter to be returned and recorded, together with the certificate of the attending physician, if any, as required by section three of this chapter, or in lieu thereof a certificate as hereinafter provided. If there is no attending physician, or if the certificate of the attending physician cannot be obtained, for good and sufficient reasons, early enough for the purpose, the chairman of the board of health or any physician employed by a city or town for the purpose shall, upon request of said board, agent or clerk, make such certificate as is required of the attending physician; and in case of death by violence the medical examiner shall, if requested, make the same. When such satisfactory statement and certificate are delivered to the board of health or to its agent, the board or agent shall forthwith countersign and transmit the same to the clerk or registrar for registration. The person to whom the permit is so given shall thereafter furnish for registration any other information as to the deceased or to the manner and cause of the death, as the clerk or registrar may require. Any person violating any of the provisions of this section shall be punished by a fine not exceeding fifty dollars.

Approved May 4, 1888.

CHAPTER 208 OF ACTS OF 1889.

AN ACT IN RELATION TO THE RETURNS OF BIRTHS AND DEATHS.

Be it enacted, etc., as follows :

SECTION 1. The clerk or registrar of each city and town shall on the first day of each month make a certified copy of the record of all deaths and births recorded in the books of said city or town during the previous month, whenever the deceased person or the parents of the child born, were resident in any other city or town in this Commonwealth at the time of said death or birth; and shall transmit said certified copies to the clerk or registrar of the city or town in which such deceased person or parents were resident at the time of said death or birth, stating in addition the name of the street and number of the house, if any, where such deceased person or parents so resided, whenever the same can be ascertained; and the clerk or registrar so receiving such certified copies shall record the same in the books kept for recording deaths or births. Such certified copies shall be made upon blanks to be furnished for that purpose by the secretary of the Commonwealth.

SECT. 2. This act shall take effect upon its passage.

Approved April 5, 1889.

CHAPTER 288 OF ACTS OF 1889.

AN ACT IN RELATION TO THE RETURNS OF BIRTHS BY PHYSICIANS AND MIDWIVES.

Be it enacted, etc., as follows :

Section seven of chapter thirty-two of the Public Statutes, as amended by chapter one hundred and fifty-eight of the acts of the year eighteen hundred and eighty-three, is hereby further amended by striking out in

the second and third lines of said section the words "except Boston," so as to read as follows:

Section 7. Physicians and midwives shall, on or before the fifth day of each month, report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child (if it has any), the sex and color of the child, the name, place of birth, and residence of the parents, and the occupation of the father. The fee of the physician or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made.

Approved April 26, 1889.

CHAPTER 402 OF ACTS OF 1890.

AN ACT IN RELATION TO THE RETURN AND RECORD OF DEATHS.

Be it enacted, etc., as follows:

SECTION 1. The last clause of section one of chapter thirty-two of the Public Statutes, as amended by section five of chapter two hundred and two of the acts of the year eighteen hundred and eighty-seven, is hereby further amended so that said clause shall read as follows: In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition (whether single, widowed or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of parents, the disease or cause of death, the place of burial, if the deceased was a married woman her maiden name, and the name of her husband, and the maiden name of the mother of any deceased person, and the date of the record.

SECT. 2. This act shall take effect upon its passage.

Approved June 11, 1890.

CHAPTER 300 OF ACTS OF 1892.

AN ACT RELATING TO THE RECORD AND RETURN OF MARRIAGES.

Be it enacted, etc., as follows:

Section twenty-four of chapter one hundred and forty-five of the Public Statutes is hereby amended by inserting in the third line of said section, after the word "make," the words:— and keep, — by striking out, in the fifth line, the words "by law," by inserting after the word "recorded," in said fifth line, the words:— by section one of chapter thirty-two of the Public Statutes, — by striking out the word "each," in the sixth line of said section, and inserting in place thereof the word:— the, — by striking out all after the word "month," in said sixth line, to and including the word "solemnized," in the tenth line, and inserting in place thereof the following words:— following each marriage solemnized by him, return each certificate issued under the provisions of sections sixteen and seventeen of this chapter, to the clerk or registrar who issued the same; and if the marriage was solemnized in a city or town other than the place or places in which the parties to the marriage resided,—by striking out, in the eleventh line, the words "of the record of such marriage," and inserting in place thereof the following words:— of the certificate, or of either certificate in case two were issued,— by striking out all after the word "town," in the twelfth line, to and including "places," in the fourteenth line, and inserting in place thereof the following words:— in which the marriage was solemnized. Each certificate and copy so returned shall contain a statement giving the place and date of marriage, and shall be attested by the signature

of the person who solemnized the same, with his official station and residence added thereto,—by striking out the word “marriages,” in said fourteenth line, and inserting in place thereof the words:—certificates or copies,—by inserting after the word “registrar,” in the fifteenth line, the words:—receiving the same,—and by inserting after the word “the,” in said fifteenth line, the words:—record and,—so as to read as follows:

Section 24. Every justice of the peace, minister and clerk or keeper of the records of a meeting wherein marriages among Friends or Quakers are solemnized shall make and keep a record of each marriage solemnized before him, or in such meeting, and of all facts relating to the marriage which are required to be recorded by section one of chapter thirty-two of the Public Statutes. He shall also, between the first and tenth days of the month following each marriage solemnized by him, return each certificate issued under the provisions of sections sixteen and seventeen of this chapter, to the clerk or registrar who issued the same; and if the marriage was solemnized in a city or town other than the place or places in which the parties to the marriage resided, return a copy of the certificate, or of either certificate in case two were issued, to the clerk or registrar of the city or town in which the marriage was solemnized. Each certificate and copy so returned shall contain a statement giving the place and date of marriage, and shall be attested by the signature of the person who solemnized the same, with his official station and residence added thereto. All certificates or copies so returned shall be recorded by the clerk or registrar receiving the same, and every person neglecting to make the record and returns required by this section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

Approved May 17, 1892.

CHAPTER 305 OF ACTS OF 1892.

AN ACT CONCERNING RECORDS OF BIRTHS, DEATHS AND MARRIAGES.

Be it enacted, etc., as follows:

SECTION 1. Whenever the records of any city or town do not contain the facts relating to a birth, death or marriage which occurred therein, or whenever such facts are not fully or correctly stated on such records, the clerk or registrar of such city or town may receive a deposition, under oath, containing such facts as are desired for record, and shall then file said deposition and record said facts in a book to be kept for that purpose, stating in addition thereto the name and residence of the deponent and the date of such record. The clerk or registrar shall keep such book separate and apart from the official records of his office, and may certify to the facts contained therein; *provided, however,* that such certificate shall state in addition to all the facts so recorded that the certificate is issued in accordance with the provisions of this act.

SECT. 2. A clerk or registrar shall not alter or amend the record of any former clerk or registrar, nor any record made while he is in office, except to correct a clerical error made by himself or some person under his direction. Whenever it is deemed expedient to make a new copy of any earlier records, each page shall be verified and signed by the clerk or registrar, and such record while preserved in proper custody shall have the same force and effect as the original record.

SECT. 3. Any person who shall make a false return in regard to any birth or death shall be liable to a fine not exceeding fifty dollars.

Approved May 17, 1892

CHAPTER 314 OF ACTS OF 1892.

AN ACT CONCERNING THE CITY REGISTRAR OF THE CITY OF BOSTON.

Be it enacted, etc., as follows:

SECTION 1. The mayor of the city of Boston shall appoint, subject to confirmation by the board of aldermen of said city, a city registrar, who shall have charge of the registry department of said city and shall have all the powers and perform all the duties appertaining to registrars of cities provided for in section sixteen of chapter thirty-two of the Public Statutes; and said city may from time to time assign to said city registrar any other duties. Chapter two hundred and sixty-six of the acts of the year eighteen hundred and eighty-five and chapter four hundred and eighteen of the acts of the year eighteen hundred and ninety, and all other acts relating to departments of the city of Boston and officers in charge thereof, shall apply to said registry department and to said city registrar.

SECT. 2. The said city registrar shall, from his subordinates, appoint two assistant city registrars, who may, in the absence of the city registrar, perform his duties; and the certificates or attestations of either assistant city registrar shall have the same force and effect as that of the city registrar; said city registrar may pay, out of any funds received by him, the fees due to persons making returns under the requirements of law, and shall on or before the twentieth of each month transmit the accounts and vouchers for all funds so received and fees so paid to the city auditor.

SECT. 3. The duties imposed upon the clerks of cities or towns under sections fourteen and fifteen of chapter thirty-seven of the Public Statutes shall in Boston be performed by the city registrar.

SECT. 4. Said city may from time to time, by ordinance, direct the head of any department, including the city clerk, to place in charge of the city registrar any of the books or papers of such department bearing date prior to the year eighteen hundred and seventy-five, and may in like manner direct their return.

SECT. 5. In the city of Boston the penalties or forfeitures established by section seventeen of chapter thirty-two of the Public Statutes, or by acts supplementary thereto, shall be recovered on complaint, in the same manner as penalties for breaches of the ordinances of said city, and all fines paid on such complaints shall enure to said city for such uses as it may direct.

Approved May 19, 1892.

CHAPTER 263 OF ACTS OF 1893.

AN ACT RELATING TO CERTIFICATES AND REGISTRATION OF DEATHS AND TO THE BURIAL AND REMOVAL OF HUMAN BODIES.

Be it enacted, etc., as follows:

SECTION 1. Section three of chapter thirty-two of the Public Statutes, as amended by section one of chapter three hundred and six of the acts of the year eighteen hundred and eighty-eight, is hereby amended by inserting after the word "decease," in the seventh line the words: and a physician who has attended at a birth of a child dying immediately thereafter, or at the birth of a stillborn child, shall, when requested, forthwith furnish for registration a certificate stating, to the best of his knowledge and belief, the fact that such a child died after birth or was born dead, — also by inserting after the word "aforesaid," in the eighth line, the words: or makes a false statement therein, — so as to read as follows: *Section 3.* A physician who has attended a person during his last illness shall, when requested forthwith, furnish

for registration, a certificate stating, to the best of his knowledge and belief, the name of the deceased, his age, the disease of which he died, the duration of his last sickness, and the date of his decease; and a physician who has attended at a birth of a child dying immediately thereafter, or at the birth of a stillborn child, shall, when requested, forthwith furnish for registration a certificate stating, to the best of his knowledge and belief, the fact that such a child died after birth or was born dead. If a physician neglects or refuses to make a certificate as aforesaid, or makes a false statement therein, he shall be punished by a fine not exceeding fifty dollars.

SECT. 2. Section five of chapter thirty-two of the Public Statutes, as amended by section two of chapter three hundred and six of the acts of the year eighteen hundred and eighty-eight, is hereby amended by striking out in the second and third lines thereof, the words "the body of a deceased person," and inserting in place thereof the words: a human body,—so as to read as follows: *Section 5.* No undertaker, sexton, or other person shall bury in a city or town or remove therefrom a human body until he has received a permit so to do from the board of health or its duly appointed agent, or, if there is no board of health in such city or town, from the city or town clerk. No such permit shall be issued until there has been delivered to such board, or agent or clerk, as the case may be, a satisfactory written statement containing the facts required by this chapter to be returned and recorded, together with the certificate of the attending physician, if any, as required by section three of this chapter, or in lieu thereof a certificate as hereinafter provided. If there is no attending physician, or if the certificate of the attending physician cannot be obtained, for good and sufficient reasons, early enough for the purpose, the chairman of the board of health or any physician employed by a city or town for the purpose shall, upon request of said board, agent, or clerk, make such certificate as is required of the attending physician; and in case of death by violence the medical examiner shall, if requested, make the same. When such satisfactory statement and certificate are delivered to the board of health or to its agent, the board or agent shall forthwith countersign and transmit the same to the clerk or registrar for registration. The person to whom the permit is so given shall thereafter furnish for registration any other information as to the deceased or to the manner and cause of the death, as the clerk or registrar may require. Any person violating any of the provisions of this section shall be punished by a fine not exceeding fifty dollars.

SECT. 3. This act shall take effect upon its passage.

Approved April 26, 1893.

CHAPTER 461 OF ACTS OF 1893.

AN ACT RELATIVE TO SOLEMNIZING MARRIAGES.

Be it enacted, etc., as follows:

SECTION 1. Any rabbi of the Israelitish faith may solemnize a marriage under the same rules, restrictions, obligations and penalties as are imposed by law upon ministers of the gospel in this Commonwealth. Such rabbi must be one duly licensed to act by a congregation of said faith established in this Commonwealth.

SECT. 2. The provisions of section twenty-seven of chapter one hundred and forty-five of the Public Statutes shall apply to such a marriage.

SECT. 3. This act shall take effect upon its passage.

Approved June 9, 1893.

CHAPTER 206 OF ACTS OF 1894.

AN ACT RELATING TO RETURNS OF BIRTHS, MARRIAGES, AND DEATHS.

Be it enacted, etc., as follows :

Section ten of chapter thirty-two of the Public Statutes is hereby amended by inserting in the first line after the word "town" the words "except Boston," and by adding at the end of said section the words, "the city registrar of Boston shall transmit the copies of his record on or before the first day of May annually," so as to read as follows:

"Section 10. The clerk of each city and town, except Boston, shall annually, on or before the first day of March, transmit to the secretary of the Commonwealth certified copies of the records of the births, marriages, and deaths which have occurred therein during the year ending on the last day of the preceding December. The city registrar of Boston shall transmit the copies of his records on or before the first day of May annually."

Approved April 5, 1894.

CHAPTER 401 OF ACTS OF 1894.

AN ACT CONCERNING THE MARRIAGE OF MINORS.

Be it enacted, etc., as follows :

SECTION 1. No town or city clerk or registrar shall receive a notice of the intention of marriage of any male under the age of eighteen years, nor of any female under the age of sixteen years, except as hereinafter provided.

SECT. 2. The judge of probate in any county, after due hearing, may make an order allowing the marriage of a minor under the age specified in the preceding section: *provided*, that said minor resides in a city or town within the county wherein said judge holds court; and *provided, also*, that the father of such minor, or in case of his death the mother, has consented to such order, and that in case neither parent is alive and resident in this Commonwealth a legal guardian has been appointed, whose consent has been given to such order. On the receipt of a certified copy of such order by the clerk or registrar of the town or city where such minor resides, he shall receive the notice required by law and issue a certificate as in other cases.

SECT. 3. This act shall take effect upon its passage.

Approved May 18, 1894.

CHAPTER 402 OF ACTS OF 1894.

AN ACT RELATIVE TO RECORDS OF BIRTHS, DEATHS, AND MARRIAGES.

Be it enacted, etc., as follows :

SECTION 1. Section two of chapter three hundred and five of the acts of the year eighteen hundred and ninety-two is hereby amended by striking out all of said section to and including the word "direction," in the fifth line, so as to read as follows:

"Section 2. Whenever it is deemed expedient to make a new copy of any earlier records, each page shall be verified and signed by the clerk or registrar, and such record while preserved in proper custody shall have the same force and effect as the original record."

SECT. 2. No town or city clerk or registrar shall alter or add to any record of a birth, death, or marriage already entered in any book or formal list in his charge, except upon such evidence as was required by law for the original entry, or upon a certified copy of the record of any other city or town, or of the record made at the time by any person since deceased, who was required by law to furnish the evidence of birth, death, or marriage, and such correction shall be at his discretion. In no case shall the first entry be erased, but all corrections shall be added.

SECT. 3. This act shall take effect upon its passage.

Approved May 18, 1894.

CHAPTER 409 OF ACTS OF 1894.

AN ACT RELATIVE TO MARRIAGES AND THE ISSUING OF CERTIFICATES THEREFOR.

Be it enacted, etc., as follows:

SECTION 1. City clerks and registrars may require notices of intention of marriage to be given to them in writing, on blanks to be furnished by them, by one of the parties to such intended marriage, or by his or her parent or legal guardian, and may require the party giving such notice to make oath before them to the truth of all the statements therein whereof he or she could have knowledge. No fee shall be charged for administering such oath.

SECT. 2. Any city clerk or registrar may refuse to issue a certificate to any parties, in case he has reasonable grounds to believe that any of the statements contained in the notice of intention of marriage are incorrect; but he may, in his discretion, accept depositions under oath, made before him, and such depositions shall be taken and deemed to be sufficient proof of the facts therein stated to authorize the issuing of a certificate. A city clerk or registrar may dispense with the statement of any of the facts required by law to be given in notices of intention of marriage, whenever such facts do not relate to or affect the identity or age of the parties, if he is satisfied that the same cannot be obtained with reasonable effort.

SECT. 3. No city clerk or registrar shall be required to receive notices of intention of marriage at any place except his office, nor shall he be required to receive such notices on the Lord's day or public holidays.

SECT. 4. Whenever, in the marriage of a minor, it is necessary to give notice in two towns or cities, the town or city clerk or registrar who first takes the consent of the parent or guardian shall take it in duplicate, retaining one copy and delivering the other duly attested by him to the party obtaining the certificate, to be given to the clerk or registrar issuing the second certificate; and no fee shall be charged for such consent or copy.

SECT. 5. Any clergyman or rabbi duly authorized to solemnize a marriage in this Commonwealth may perform the ceremony anywhere within the same.

SECT. 6. No person shall give the notice of intention of marriage required by law without the consent of both the parties to such intended marriage, and any person giving such notice without such consent shall be liable in an action of tort to the person whose name was so used without such consent for all damages thereby sustained by such person.

SECT. 7. The superior court, upon petition of either of the parties alleged to intend marriage in a notice of intention of marriage, given

without the consent of both parties therein alleged to intend marriage, and not followed by a marriage between said parties, may, upon such notice as said court may order and after a hearing upon such petition, adjudge that such notice of intention of marriage be cancelled and expunged from the records of the city or town in which the same was recorded.

SECT. 8. Whoever violates any of the provisions of this act shall, upon conviction thereof within one year after such violation, be punished by a fine not exceeding five hundred dollars or by imprisonment in jail or in the house of correction for not more than one year, or both.

Approved May 19, 1894.

CHAPTER 427 OF THE ACTS OF 1895.

AN ACT RELATIVE TO MARRIAGE AND THE LEGITIMACY OF CHILDREN.

Be it enacted, etc., as follows:

Where a marriage contract has been entered into with due legal ceremony and the parties thereafter live together as husband and wife; and where at the time of such marriage ceremony a former husband or wife of one of the parties was living, and the former marriage with such person was still in force; and where such subsequent marriage contract was entered into by at least one of the parties in good faith, in the full belief that the former husband or wife was dead, or that such former marriage had been annulled by divorce; or without knowledge on the part of one of them of such former marriage; and where the impediment to such subsequent marriage existing by reason of the former marriage is removed by the death of the other party to the former marriage, or by a proper decree of divorce, and the parties to such subsequent marriage then continue living together as husband and wife in good faith, on the part of at least one of them, they shall be taken and deemed to have been legally married from and after the removal of such impediment, and the issue of such subsequent marriage shall be deemed to be the legitimate issue of both parents.

Approved May 29, 1895.

CHAPTER 499 OF THE ACTS OF 1896.

AN ACT RELATIVE TO MARRIAGE AND THE LEGITIMACY OF CHILDREN.

Be it enacted, etc., as follows:

The provisions of chapter four hundred and twenty-seven of the acts of the year eighteen hundred and ninety-five shall apply to cases in which the impediment to marriage therein referred to was removed prior to the date when said act took effect, as well as to cases in which such impediment was removed subsequent to such date: *provided*, that no marriage otherwise valid shall hereby be rendered invalid.

Approved June 5, 1896.

CHAPTER 306 OF THE ACTS OF 1896.

AN ACT RELATIVE TO MARRIAGES.

Be it enacted, etc., as follows :

SECTION 1. Any person duly authorized to solemnize marriages in this Commonwealth who shall join in marriage persons who have not complied with the statutes in regard to procuring certificates of notice of intention of marriage shall be punished by a fine not exceeding five hundred dollars.

SECT. 2. Whoever, not being duly authorized by the statutes of this Commonwealth, undertakes to join persons in marriage in this Commonwealth shall be punished by a fine not exceeding five hundred dollars or by imprisonment in jail or in the house of correction not exceeding one year, or by both such fine and imprisonment.

SECT. 3. Sections twenty-five and twenty-six of chapter one hundred and forty-five of the Public Statutes are hereby repealed.

SECT. 4. No person shall solemnize a marriage in this Commonwealth unless he is able to read and write the English language, and no rabbi of the Israelitish faith shall solemnize marriage until he has filed with the clerk or registrar of the town or city where he resides a certificate of the establishment of the synagogue of which he is rabbi, and of the date of his appointment thereto, and of the term of his engagement.

Approved April 22, 1896.

CHAPTER 424 OF ACTS OF 1897.

AN ACT RELATIVE TO MARRIAGE.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

SECTION 1. No alteration or erasure shall be made by any person on a certificate of intention of marriage issued by any town clerk, city clerk or registrar, until after the same shall have been returned to the possession of such clerk or registrar, and then only in such form and to such extent as said clerk or registrar may prescribe. Any such certificate may be recorded after correction in accordance herewith. Any person making an illegal alteration or erasure shall be liable to a fine not exceeding one hundred dollars.

SECT. 2. Whenever any certificate of marriage is returned to any town clerk, city clerk or registrar, and has been found to have been incorrectly filled out by the person solemnizing a marriage under the same, such clerk or registrar shall proceed to have the same corrected, and to enforce the penalties, if any, provided by law in relation thereto. All such imperfect certificates shall be recorded and indexed by such clerk or registrar.

SECT. 3. A town by vote and a city by ordinance may authorize its clerk or registrar to pay on demand, in his office, the sum of twenty-five cents to any person legally solemnizing a marriage in this Commonwealth, after the receipt by such clerk or registrar of the certificate in legal form of the solemnization of such marriage. Towns and cities in which the clerks or registrars thereof are authorized to make such payment shall annually appropriate the money necessary therefor, and such clerks or registrars shall file quarterly with the treasurers or other proper financial officers of said towns and cities proper vouchers for all payments made by them under the provisions of this section.

SECT. 4. If either of the parties to an intended marriage has been legally adopted, such party shall, on the notice of intention of such marriage, give the names of his or her parents by such adoption; but the

names of the natural parents of such party may also be added. Whenever the consent of a parent of a minor is required by law as a preliminary to marriage the consent of a parent by adoption of such minor, if any, shall be sufficient. In case the natural parents of a minor have been divorced and the consent of one of such parents is required by law, preliminary to the marriage of such minor, the consent of the parent having the custody of such minor shall be sufficient.

SECT. 5. The words "official station," as used of a person solemnizing a marriage, in chapter three hundred of the acts of the year eighteen hundred and ninety-two, shall be taken and deemed to mean the office by virtue of which said person solemnizes such a marriage; and to describe such office in returns of marriages the words "justice of the peace," "minister of the gospel," "clergyman," "priest," or "rabbi," only shall be used. [*Approved May 22, 1897.*]

CHAPTER 439 OF ACTS OF 1897.

AN ACT RELATIVE TO PUBLIC RECORDS.

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. The words "public records," when used in this or any other act shall, unless manifestly inconsistent with the context, be construed to mean any written or printed book or paper, or any map or plan of the Commonwealth or of any county, city or town, in or on which any record or entry has been or is to be made in pursuance of any requirement of law, or any written or printed book or paper, or any map or plan which any officer or employee of the Commonwealth or of any county, city or town is required by law to receive, or in pursuance of any such requirement has received for filing, and any book, paper, record or copy mentioned in either of the five following sections. Every such record of the Commonwealth or of a county, city or town, other than maps or plans, consisting of a book, or sheets to be made into a book, in or on which entries are from time to time made or to be made, shall be of paper made of linen rags and new cotton clippings, well sized with animal sizing, and well finished, preference being given to paper of American manufacture marked in water line with the name of the manufacturer. The word "record," in this act without any word of explanation or limitation shall be construed to mean any written or printed book or paper, or any map or plan.

SECT. 2. Every public board and every head consisting of more than one person, in charge of a department or office of the Commonwealth or of a county, city or town, shall designate some person as secretary, who shall enter in books all votes, orders and proceedings of such board, department or office, and shall have the custody of such books; and every such board or head shall designate some employee or employees to have the custody of the other public records pertaining to the work of such board, department or office.

SECT. 3. Every public board, and every head consisting of one person, in charge of a department or office of the Commonwealth or of a county, city or town, having in such department or office any public records, shall have the custody of such records. Every city or town clerk shall have the custody of all records of town proprietaries, and of proprietors of plantations or townships or common lands when the towns, townships or common lands to which such records relate, or the larger part thereof, are within the limits of the city or town of which he is the clerk, and when the proprietors have ceased to be a body politic; also of all records of any church or religious society in such city or town that has ceased to have a legal existence. The secretary of the Commonwealth, clerk of the county commissioners, and city or town clerk, shall respectively have the custody of all other public records of the Commonwealth or of the county, city or town of which he is clerk, when no other disposition of such records is made by law or ordinance.

SECT. 4. Every original paper belonging to the files of the Commonwealth or of any county, city or town, bearing a date earlier than the year eighteen hundred; every book of registry or other book used for recording, belonging to the Commonwealth or to any county, city or town; every deed to the Commonwealth or to any county, city or town; and every report of an agent, officer or committee of the Commonwealth or of any county, city or town, relating to bridges, highways, streets, townways, sewers, or other state, county or municipal interests or matters, not required by law to be entered in a book and not so entered, shall be safely kept, and every other paper belonging to the files of the Commonwealth or of any county, city or town, shall be safely kept for seven years after the latest entry originally made therein or thereon unless required by law to be destroyed at some other time, and no such paper of any county, city or town shall be destroyed unless such destruction is approved by the commissioner of public records.

SECT. 5. Every board of county commissioners, city government, and board of selectmen, may have made for their county, city or town, copies of the records, within or without the Commonwealth, of counties, cities or towns, or town proprietaries, or proprietors of plantations or townships or common lands, relating to lands, easements and rights of way situated in their county, city or town, and copies of the records of births, marriages, deaths and baptisms kept by a church or parish within their city or town.

SECT. 6. Every person having the custody of any public records of a county, city or town, consisting of written or printed books shall, at the expense of the county, city or town, have all such books properly and substantially bound, and shall have any such book left incomplete made up and completed from the files and usual memoranda, so far as it can be done, and shall have any such books becoming worn, mutilated or illegible, seasonably renovated, repaired or rebound, and fair and legible copies thereof seasonably made, and may cause any such books to be placed in the custody of the commissioner of public records, who shall have the work done at the expense of the county, city or town, in a proper and substantial manner.

SECT. 7. Every person having the custody of any public records shall on request for any public record in his custody, furnish the same for inspection and examination under his direction, supervision and care, or under the direction, supervision and care of some person designated by him, and shall on request for a copy of any public record in his custody, and the payment of a reasonable fee, furnish such copy: *provided, however*, that the inspection and furnishing of copies of the public records of a city or town shall be subject to the reasonable ordinances of the city or by-laws of the town.

SECT. 8. Every person having the custody of any public records who under the provisions of any section of this act, shall cause to be made up as aforesaid any public record consisting of a book left incomplete, or shall cause to be made or compared a copy of any public record, shall attest the same and make oath, in the case of such book that it is made up from the usual files and memoranda, and, in the case of such copy that it is a correct copy of the original. Every copy so attested and sworn to shall be admitted in evidence in the same manner and with the same effect as the original.

SECT. 9. Every person who is given by law the custody of any public records shall have power to demand, and shall demand, any such record from the person having the same in his possession, and such person shall forthwith deliver such record to such custodian, and every person having the custody of any public records shall safely keep the same in the rooms in which they are usually used, so arranged that they can be conveniently examined and referred to, and shall keep all such records, when not in use, in the fireproof rooms, vaults or safes provided therefor, except the records in the custody of the teachers of the public schools.

SECT. 10. Every officer or board in charge of a state department, board of county commissioners, city government, and board of selectmen shall, at the expense of the Commonwealth, county, city or town, provide and maintain fireproof rooms, safes or vaults for the keeping as aforesaid

of the public records of their department, county, city or town, other than the records in the custody of teachers of the public schools, and shall hereafter furnish for such rooms only fittings of non-combustible materials.

SECT. 11. Every person having the custody of any public records shall, when succeeded in such custody by another person, forthwith deliver to the successor all public records in his custody which he is not authorized by law to retain, and shall make oath that he has so delivered such records, before, and to be recorded by, the secretary of the Commonwealth, or the clerk of the county commissioners, or the city or town clerk, according as the records so delivered are the records of the Commonwealth, county, city or town.

SECT. 12. Every person who unlawfully keeps in his possession any public record, or removes any public record from the room in which it is usually kept, or violates any of the provisions of this act, or alters, defaces, mutilates or destroys any public record, shall, for each offence, be punished by a fine of not less than ten dollars nor more than five hundred dollars; and every public officer who neglects or refuses to perform any duty required of him by this act shall, for each month of such neglect or refusal, be punished by a fine of not more than twenty dollars.

SECT. 13. The provisions of this act shall not be construed as applying to the records of the general court.

SECT. 14. Chapter thirty-seven of the Public Statutes, section one of chapter two hundred and two of the acts of the year eighteen hundred and eighty-seven, chapter three hundred and seven of the acts of the year eighteen hundred and eighty-eight, chapters two hundred and twenty-seven and three hundred and ninety-two of the acts of the year eighteen hundred and ninety, chapters two hundred and eighty-one and three hundred and forty of the acts of the year eighteen hundred and ninety-one, chapter three hundred and fifty-six and section one of chapter four hundred and two of the acts of the year eighteen hundred and ninety-four, and all acts and parts of acts inconsistent herewith, are hereby repealed. [*Approved May 28, 1897.*]

CHAPTER 444 OF ACTS OF 1897.

AN ACT RELATIVE TO THE REGISTRY AND RETURN OF BIRTHS, MARRIAGES AND DEATHS.

Be it enacted, etc., as follows:

SECTION 1. The clerk of each city and town shall receive or obtain and record the following facts concerning the births, marriages and deaths therein, separately numbering and recording the same, designating the facts hereinafter specified in separate columns as follows:—In the record of births, the date of the record, the date of birth, the place of birth, the name of the child, the sex and color of the child, the names and places of birth of the parents, including the maiden name of the mother, the occupation of the father, and the residence of the parents. In the record of the birth of an illegitimate child the name and other facts relating to the father shall not be recorded unless at the joint request in writing of both father and mother. The term "illegitimate," shall not be used in the record of a birth unless the fact has been legally determined or upon the sworn statement of both the father and mother. In the record of marriages, the date of the record, the date of the marriage, the place of marriage, the name, residence, and official station of the person by whom the marriage is solemnized, the names and places of birth of the parties married, the residence of each, the age and color of each, the number of the marriage (for example, the first or second marriage), and if previously married whether widowed or divorced, the occupation of each and the names of their parents, with the maiden name of the mother. If the bride is a widow or divorced her maiden name shall also be given. In the record of deaths, the date of the record, the date of the death, the name of the deceased, the sex, the color, the condition (whether single, widowed,

married or divorced), the supposed age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of the parents, the disease or cause of death, the place of burial, with the name of the cemetery if it has any, the maiden name of the mother, and if the deceased was a married or divorced woman or a widow, her maiden name and the name of her husband. In cities the word "residence," as used in this section, shall be held to include the name of the street and the number of the house, if any.

SECT. 2. The clerk of each city and town shall index in separate indexes of births, marriages and deaths the names of all persons recorded as born, married or dead.

SECT. 3. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child if it has any, the sex and color of the child, the name, place of birth and residence of the parents, the maiden name of the mother, and the occupation of the father. If the child is illegitimate the name of the father shall not be stated, unless at the joint request in writing of both father and mother, which request shall be filed with the returns of births. The fee of the physician or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made, upon presentation of a certificate from the city or town clerk, stating that said births have been reported in conformity with the requirements of this section. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty-five dollars.

SECT. 4. Any member or servant of a family in which a child is born, having knowledge of the facts required for record concerning the birth of such child, shall furnish the same upon request of the clerk of the city or town wherein such child was born or its parents reside, or of any person authorized by him to obtain such facts. Any such member or servant of a family who refuses to furnish such facts shall for each offence forfeit not exceeding ten dollars.

SECT. 5. The clerk of every city and town shall annually in the month of January ascertain or cause to be ascertained the facts required for record by section one of this act relating to the birth of all children born therein within the year preceding the first day of said January.

SECT. 6. Parents shall, within forty days after the birth of a child, give notice thereof or cause such notice to be given, to the clerk of the city or town in which such child is born. Every householder shall, within forty days after the date of a birth occurring in his house, give notice thereof, or cause such notice to be given to the clerk of the city or town in which he resides; and he shall also, within five days after the date of a death occurring in his house, give notice thereof or cause such notice to be given, to the board of health, other than the selectmen, or if there is no such board, to the clerk of such city or town. The oldest person next of kin present at the time of the death of any of his kindred in the city or town in which such death occurs shall, within five days thereafter, give notice thereof or cause such notice to be given, to such board of health, or if there is no such board, to the clerk of such city or town. The keeper, superintendent or person in charge of a workhouse, house of correction, prison, reformatory, reform school, hospital, almshouse or other institution, public or private, receiving inmates from within or without the limits of the city or town in which it is located shall, when a person is received into the institution of which he is the keeper, superintendent or person in charge, obtain a record of all the facts which would be required for record in the event of the death of such person so received, and shall, on or before the fifth day of each month, give notice to the clerk of said city or town of every birth and death happening among the persons under his charge during the month next preceding. The facts required for record by section one of this act shall, so far as known or obtainable, be included in every notice given under this section.

SECT. 7. The master or other commanding officer of a vessel shall give notice, with the facts required for record, of every birth or death happening among the persons under his charge. In case of a birth the notice shall be given to the clerk, and in case of a death to the board of health, other than the selectmen, or if there is no such board, to the clerk of the city or town within the Commonwealth at which his vessel first arrives after said birth or death.

SECT. 8. Any parent, keeper, superintendent or other person required by section six of this act to give, or cause to be given, notice of a birth or death, who neglects to give the required notice or cause the same to be given, for ten days after it is due, shall for each offence forfeit not exceeding five dollars, and the master or commanding officer of a vessel who neglects to give such notice for ten days after the arrival of his vessel at the port where notice is to be given shall forfeit not exceeding five dollars.

SECT. 9. The clerk of any city or town may enter upon the record already made by him concerning a person born in such city or town any information obtained in writing by the canvass mentioned in section five, or by his own efforts, which is needed to supply deficiencies in said records, but shall make no changes in facts already recorded, except as provided in section fourteen of this act or to correct errors in copying from certificates or returns on file in his office. When an error in copying is corrected a statement of the fact that the correction is made to correct an error in copying shall be entered upon the record over the signature of the clerk.

SECT. 10. A physician who has attended a person during his last illness shall forthwith, after the death of said person, furnished for registration at the request of a duly licensed undertaker or other authorized person, or any member of the family of such deceased person, a certificate, stating to the best of his knowledge and belief the name of the deceased, his supposed age, the disease of which he died, the duration of his last sickness, and the date of his decease; and a physician who has attended at the birth of a child dying immediately thereafter, or a physician or midwife who has attended at the birth of a child born dead, shall forthwith furnish for registration a certificate stating that to the best of his or her knowledge and belief such child either died immediately after birth or was born dead. Both the birth and death of such child shall be recorded, and if the child was born dead the word "stillborn," shall be entered in both the record of birth and death. A physician or midwife who neglects or refuses to make the certificate required by this section or who makes a false statement therein shall forfeit not exceeding fifty dollars.

SECT. 11. A physician who has attended a person in his last illness, in furnishing a certificate for the purpose of registration as required by section ten shall, in case the deceased was a soldier or a sailor who served in the war of the rebellion, give both the primary and the secondary or immediate cause of death as nearly as he can state the same. A physician who refuses or neglects to make such certificate shall forfeit ten dollars.

SECT. 12. Every undertaker or other person having charge of the funeral rites preliminary to the interment of a human body shall forthwith obtain the physician's certificate made in accordance with section ten of this act, and shall enter thereon the facts required by section one of this act to be recorded concerning the deceased, and shall return the same to the board of health, other than the selectmen, or its duly appointed agent; or if there is no such board, to the clerk of the city or town in which the death occurred. The person making such return shall receive from the city or town a fee of twenty-five cents therefor.

SECT. 13. The clerk of each city and town shall forthwith make certified copies of the records of all births and deaths recorded in the books of said city or town during the previous month, whenever the deceased person or the parents of the child born were resident in any other city or town in this Commonwealth or any other state at the time of said birth or death; and shall transmit said certified copies to the clerk of the city or town in which such deceased person or parents were resident at the time of said birth or death, stating in addition the name of the street and number of the house, if any, where such deceased person or parents so resided,

whenever the same can be ascertained; and the clerk of every city or town in this Commonwealth so receiving such certified copies, or certified copies of births, deaths or marriages, from the clerk of a city or town without the Commonwealth, shall record the same in the books kept for recording births, deaths or marriages.

SECT. 14. Whenever the record relating to a birth, marriage or death in the records of any city or town does not contain all the facts required for record, or when it is alleged that the facts are not correctly stated in such record, the clerk of such city or town shall receive a deposition under oath, made by one who was required by law to furnish the information for the original record, or, at his discretion, by three or more credible persons having knowledge of the case, containing such facts as are desired for record. Having received such deposition he shall then file the same, and record said facts in a separate book to be kept for recording such depositions, adding thereto the name and residence of the deponent and the date of such record, and shall thereupon draw a line through the incorrect statements without erasing them, and enter upon the original record the facts needed to amend the record, and forthwith, if a copy of the record has been sent to the secretary of the Commonwealth, forward a certified copy of the corrected record to the secretary upon blanks provided by him for the purpose, who shall thereupon amend the record in his office, and state in the margin thereof his authority for so doing. Reference to the record of the deposition recorded shall be made by the clerk against the original record. The clerk when furnishing a copy of such record shall certify to the facts contained in the record as amended, and shall state in addition that the certificate is issued in accordance with the provisions of this act, and a copy of this section shall be printed on every such certificate. Such deposition, or a certified copy of the record of any other city or town, or of the record made at the time by any person since deceased who was required by law to furnish the evidence of a birth, marriage or death may, at the discretion of the clerk, be made the basis for the record of a birth, marriage or death not previously recorded, and such copy of record may also be made the basis for completing the record of a birth, marriage or death which does not contain all the required facts.

SECT. 15. Any person who wilfully makes a false return in regard to any birth or death shall forfeit not exceeding fifty dollars.

SECT. 16. All the returns of births, marriages and deaths made as provided by law shall be preserved by the city or town clerk and filed and arranged conveniently for examination and reference.

SECT. 17. The clerk of each city and town shall annually give public notice that he is prepared to furnish to parents, householders, physicians and midwives applying therefor, blanks for returns of births as required by law.

SECT. 18. The secretary of the Commonwealth shall, at the expense of the Commonwealth, prepare and furnish to the clerks and boards of health of the several cities and towns, and to the superintendent of the state almshouse, blank books of suitable quality and size, to be used as books of record under this act, blank books for indexes thereto, and blank forms for returns on paper of uniform size: *provided, however*, that any city or town may provide books and forms which shall conform to those prepared by the secretary of the Commonwealth. He shall accompany the same with such instructions and explanations as may be necessary and useful. City and town clerks shall make such distribution of blank forms of returns furnished by the secretary as he shall direct.

SECT. 19. The clerk of each city and town shall annually, on or before the first day of March, transmit to the secretary of the Commonwealth fair and legible certified copies of the records of births, marriages and deaths which have been recorded therein during the year ending on the last day of the preceding December, together with certified copies, upon blanks provided by the secretary, of all such records and corrections in records of births, marriages and deaths, as may not have been previously returned: *provided*, that in cities, except Boston, containing over thirty thousand inhabitants, said copies shall be transmitted on or before the first day of April.

The copies from the city of Boston shall be transmitted on or before the first day of May.

SECT. 20. It shall be the duty of the secretary of the Commonwealth to see that all copies sent to his office under the provisions of section nineteen of this act are written in a fair and legible hand, and any city or town clerk who neglects or refuses to make or cause to be made fair and legible copies as required shall forfeit not less than twenty dollars nor more than one hundred dollars, to be recovered in an action in the name of the secretary of the Commonwealth.

SECT. 21. The record of the city or town clerk relative to a birth, marriage or death shall be *prima facie* evidence in legal proceedings of the facts recorded. A certificate signed by the city or town clerk or assistant clerk for the time being shall be admissible as evidence of such record.

SECT. 22. The superintendent of the state almshouse shall obtain, record and make return of the facts in relation to the births and deaths which occur in his institution, in like manner as is required by town clerks. The clerk of a town in which such almshouse is located shall, in relation to the births and deaths of persons in said almshouse, be exempt from the duties otherwise required of him by this act.

SECT. 23. The secretary shall cause the copies received by him for each year to be bound together in one or more volumes, with indexes thereto. He shall prepare from the copies such tabular results as will render them of practical utility, make report thereof annually to the general court, and do all other acts necessary to carry into effect the provisions of this act.

SECT. 24. Any city or town containing more than ten thousand inhabitants, except the city of Boston, may choose or provide for the appointment of a person other than the clerk to be registrar, who shall be sworn, and to whom all the provisions of this act concerning clerks shall apply. The returns and notices required to be made and given to clerks shall be made and given to such registrar and to the city registrar of the city of Boston under like penalties; and all the provisions of this act concerning clerks shall apply to said last named registrar.

SECT. 25. Whenever any physician, midwife, parent, householder, keeper, superintendent or person in charge of any institution mentioned in section six of this act, or master or other commanding officer of a vessel, neglects to make any of the reports required by the provisions of this act to the clerk or board of health of any city or town, or whenever any person refuses to furnish the facts as required by section four of this act, said clerk shall notify such person of the requirement, and if such person neglects for the period of one month to make said report said clerk shall notify the agent or attorney duly appointed by the city or town to sue in its corporate capacity, or if there is no such agent or attorney the district attorney of his district, of such neglect, who shall thereupon institute proceedings against such person for the recovery of the penalty or forfeiture imposed by this act.

SECT. 26. The city or town clerk shall notify the person authorized to institute proceedings under the preceding section of the violation of any of the provisions of this act within his city or town which comes to his notice, except violations for which he might be liable, and the person so notified shall thereupon institute a prosecution against the person guilty of such violation.

SECT. 27. In any statement of births and deaths printed by authority of a city or town no name of an illegitimate child or its parents or of the parents of a stillborn child shall be printed, but the word "illegitimate" or "stillborn," as the fact may be, shall be used in place thereof. Any city or town which prints the name of a child or either of its parents in violation of this section shall forfeit to the mother of such child not exceeding one hundred dollars.

SECT. 28. All forfeitures recovered under this act shall accrue to the benefit of the city or town in which the return required should have been made, except as provided in sections twenty and twenty-seven.

SECT. 29. The clerk of each city or town, for receiving or obtaining, recording and returning the facts relating to marriages, births and deaths

occurring therein, and for indexing the names, shall be entitled to receive from the city or town, upon presenting a certificate of the receipt of said copy by the secretary of the Commonwealth, for each marriage, twenty cents; for each birth, fifty cents; for each death returned to him by an undertaker or the board of health, twenty cents; for each death not so returned but by him obtained and recorded, fifty cents. He shall also receive from the city or town the following fees:—For each certificate transmitted under the provisions of section thirteen of this act, twenty-five cents; for receiving and recording a deposition and forwarding a copy thereof under the provisions of section fourteen of this act, fifty cents; for sending the notification required by section twenty-five of this act, twenty-five cents; for each oath administered in his capacity as clerk, twenty-five cents. But a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to its clerk. A city or town clerk shall forfeit not less than twenty dollars nor more than one hundred dollars for each refusal or neglect to perform any duty required of him by this act.

SECT. 30. Any of the oaths required by any of the provisions of this act may be administered by the clerk or assistant clerk of any city or town in his official capacity.

SECT. 31. Sections one to four, both inclusive, and sections seven to eighteen, both inclusive, of chapter thirty-two of the Public Statutes; chapter one hundred and fifty-eight of the acts of the year eighteen hundred and eighty-three; sections two, three, four and five of chapter two hundred and two of the acts of the year eighteen hundred and eighty-seven; chapter sixty-three and section one of chapter three hundred and six of the acts of the year eighteen hundred and eighty-eight; chapters two hundred and eight, two hundred and twenty-four and two hundred and eighty-eight of the acts of the year eighteen hundred and eighty-nine; chapter four hundred and two of the acts of the year eighteen hundred and ninety; chapter three hundred and five of the acts of the year eighteen hundred and ninety-two; section one of chapter two hundred and sixty-three of the acts of the year eighteen hundred and ninety-three; chapter two hundred and six and section two of chapter four hundred and two of the acts of the year eighteen hundred and ninety-four, and all acts and parts of acts inconsistent herewith, are hereby repealed.

SECT. 32. This act shall take effect on the first day of January in the year eighteen hundred and ninety-eight. [*Approved June 2, 1897.*]

CHAPTER 84 OF ACTS OF 1857.

AN ACT AUTHORIZING TRANSCRIPTS OF TOWN OR CITY RECORDS.

Be it enacted, etc.

SECTION 1. Any town or city in this Commonwealth may cause to be carefully transcribed such of its records as relate to grants of lands, or the grants or divisions and allotments of lands made by the original proprietors of such township, or to any easements or private rights, or its records relating to ways, or any records of births and marriages, kept by such town or city, or by any parish within the same; and such transcripts, having been first compared and certified, under oath, by the clerk of such town or city for the time being, and deposited in the office of said clerk, shall have the force, effect, and credit of original records.

SECT. 2. Any town or city, whose territory, in whole or in part, has been, or may hereafter be, set off from any other town or city, may cause to be carefully transcribed such of the records, named in the first section of this act, as relate to lands, easements, rights or ways situated in the territory so set off; and such transcripts, being compared and certified, under oath, by the clerk of the town or city where

such records are kept, and deposited in the clerk's office of the town or city in which the land is situated to which they relate, shall have the force, effect, and credit of original records of such last named town or city.

SECT. 3. The records of any town or city shall be open to the free access and examination of any suitable person appointed to transcribe therefrom, in accordance with section second of this act; and the clerk of such town or city, shall, for a reasonable fee to be paid therefor, compare and certify such transcripts, when properly and correctly made.

SECT. 4. The clerk of every city and town in this Commonwealth shall make a certified copy of the record of all marriages, recorded in the books of said city or town, where either or both of the parties married, were resident in any other town in the Commonwealth at the time of said marriage; and he shall also, as far as the same is practicable, make a like copy of all such marriages recorded in any parish records, or in any records kept by any clergyman or magistrate within said town; and the said clerk shall transmit said certified copies to the clerk of the city or town in which such party or parties were resident at the time of said marriage, and the clerk so receiving such certified copies shall record the same in a book to be kept for that purpose. And the clerks of the several cities and towns shall receive a reasonable compensation for the services so rendered, to be paid by their respective cities or towns: *provided, however*, that the provisions of this section shall apply only to marriages solemnized prior to the year eighteen hundred. [*Approved April 24, 1857.*]

CHAPTER 15, OF THE PUBLIC STATUTES.

OF THE EXECUTIVE DEPARTMENT AND THE SECRETARY OF THE COMMONWEALTH.

SECT. 12. The secretary shall have the custody of the state seal; and copies of records and papers in his office, certified by him and authenticated by the state seal, shall be evidence in like manner as the originals.

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ANNUAL REPORT
OF THE
SEALING OF WEIGHTS AND MEASURES
DEPARTMENT.
FOR THE YEAR 1896-97.

BOSTON, February 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In compliance with the requirements of the Revised Ordinances, I herewith submit the annual report of the Sealing of Weights and Measures Department.

The force of the department consists of one sealer, ten deputy sealers, and one messenger.

Appropriation for the fiscal year 1896	\$19,000 00
Transfers	3,572 21
Total appropriations	<u>\$22,572 21</u>

CLASSIFICATION OF EXPENSES.

Salaries and messenger's pay	\$19,262 94
Horse board	1,656 67
Shoeing of horses	190 03
Medical attendance for horses	56 65
Repairs on wagons, harnesses, etc., ...	346 58
Tools, hardware, etc., ...	227 53
Stationery	125 30
Printing	98 79
Telephone service	172 60
Electric lighting	14 54
Advertising	35 41
Ferry tolls	20 00
Purchase of two horses	285 00
Repairing standards	23 07
Incidentals	57 10
Total expenditures from February	
1, 1896, to February 1, 1897	<u>\$22,572 21</u>

Section 1 of chapter 123 of the Acts of 1876 provides that the sealer of weights and measures shall annually give public notice, by advertisement, or by posting notices in one or more public places, to all inhabitants or persons having a usual place of business therein, who use scales, weights, or measures, for the purpose of selling any goods, wares, merchandise, or other commodities, or for public weighing, to bring in their scales, weights, and measures to be adjusted and sealed.

The same section also provides that "in those cities and towns where a salary is paid to the Sealer of Weights and Measures no fees shall be charged for such services."

In compliance with the provisions of the foregoing section, it is customary for the Sealer to notify annually, in May, all such persons as are referred to by the statutes, by publishing the required notice in the daily papers, to bring to this office their scales, weights, and measures, to be tested and sealed.

Section 2 of chapter 123 of the Acts of 1876, amended by section 2 of chapter 151 of the Acts of 1877, provides that at any time after said notice the said Sealer of Weights and Measures shall go to the houses, stores, and shops of persons mentioned in the foregoing section, who have neglected to comply with the notice given thereunder, and having entered the same, with the assent of the occupants, shall adjust and seal their scales, weights, and measures, and shall be entitled

to receive for said service the compensation set forth in chapter 51, section 14, of the General Statutes.

The customary notice having been published, after a reasonable time the deputy sealers were instructed to visit the places where scales, weights and measures were in use; and having informed the owners thereof that it was optional with them whether their scales, etc., should be tested at this office or at their places of business, and in the former case no charge would be made for such services, proceeded thereafter, with their consent, to test and seal the same.

The schedule of fees for work done outside the office is as follows:

FOR TESTING.

Platform scales (5,000 lbs. capacity and upwards)	. \$1 00
“ “ (less than 5,000 lbs. capacity)	. 50
Dormant “ (“ “ “ “ “)	. 50
Beam “ (capacity over 1,000 lbs.)	. 50
Counter platform scale (large size)	. 50
“ “ “ (small size)	. 25
Butchers' scale, spring balance, counter balance, or trip scale, each	. 03
Weights, each	. 03
Measures, wet or dry, each	. 03
Yardsticks, each	. 03

ADJUSTING.

For adjusting or repairing any scale, a fair and reasonable compensation.

For weights when either light or heavy, not to exceed ten cents each.

For yardsticks, not to exceed five cents each.

For measures, wet or dry, when either large or small, not to exceed ten cents each.

For adjusting or repairing any special weight or measure, not mentioned above, a fair and reasonable compensation.

OPERATIONS OF THE DEPARTMENT FROM FEBRUARY 1, 1896, TO FEBRUARY 1, 1897.

Number of scales 5,000 lbs. to 150 tons tested	. 685
“ dormants less than 5,000 lbs. “	. 1,263
“ portable platforms tested	. 4,422
“ butchers' scales “ . . .	. 197

Carried forward,

6,567

<i>Brought forward,</i>	6,567
Number of spring balances " . . .	3,052
" trip scales " . . .	3,140
" counter balances " . . .	1,232
" public weighers' scales tested . .	23
" beams or balances " . . .	236
Total number scales tested . . .	14,250
Number of scales tested and found correct . .	10,221
" " " " adjusted before seal- ing. . . .	2,585
" " " " tagged for repairs . .	808
" " that were repaired as ordered . .	624
" " " " condemned . . .	12
Number of weights tested and found correct . .	35,101
" " " " found light and adjusted . . .	7,995
" " " " found heavy and adjusted . . .	1,646
" " " " condemned . . .	70
Total number of weights tested . . .	44,812
Number of dry measures tested and found correct,	7,429
" " " " " adjusted . . .	20
" " " " " condemned . . .	126
Total number of dry measures tested . . .	7,575
Number of wet measures, including milk cans, tested and found correct	90,095
Number of wet measures, including milk cans, tested and adjusted	2,050
Number of wet measures, including milk cans, tested and condemned	2,297
Total number of wet measures, including milk cans, tested	94,442

Number of yardsticks tested and found correct . . .	1,317
“ “ “ “ adjusted . . .	280
“ “ “ “ condemned . . .	65

Total number of yardsticks tested . . .	<u>1,662</u>
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Number of charcoal baskets tested and found correct . . .	37
Number of charcoal baskets tested and condemned . . .	5

Total number of charcoal baskets tested . . .	<u>42</u>
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Number of steel tapes tested and found correct . . .	3
“ coal-baskets tested and found correct . . .	547
“ “ “ “ condemned . . .	33

Total number of coal baskets tested . . .	<u>580</u>
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The system of testing and sealing at their places of business gives general satisfaction. Many, however, object to the charges, and send their scales, etc., to this office, and in this way the following work has been done, which is included in the “operation of the department,” and for which no fees are allowed.

The amount of work done in the office from February 1, 1896, to February 1, 1897, was as follows:

Scales of all descriptions tested	1,861
Weights tested	6,747
Dry measures tested	2,149
Wet measures, including milk cans, tested . . .	88,085
Yardsticks tested	527
Charcoal-baskets tested	42
Coal-baskets “	576
Steel tapes “	3

RECAPITULATION.

Total number of scales tested from February 1, 1896, to February 1, 1897	14,250
Total number of weights tested from February 1, 1896, to February 1, 1897	44,812
Total number of dry measures tested from February 1, 1896, to February 1, 1897	7,545

Total number of wet measures, including milk cans, tested from February 1, 1896, to February 1, 1897	94,442
Total number of yardsticks tested from February 1, 1896, to February 1, 1897	1,662
Total number of charcoal baskets tested from February 1, 1896, to February 1, 1897	42
Total number of coal baskets tested from February 1, 1896, to February 1, 1897	580
Total number of steel tapes tested from February 1, 1896, to February 1, 1897	3

EARNINGS OF THE DEPARTMENT.

Total amount of earnings from February 1, 1896, to February 1, 1897	\$5,840 65
The amount due this department is	103 53
Amount collected, which has been paid to the City Collector to be credited to the Department of Weights and Measures	<u>\$5,737 12</u>

INVENTORY OF PROPERTY IN THE SEALER'S OFFICE
BELONGING TO THE CITY OF BOSTON, FEBRUARY 1,
1897.*Standard Avoirdupois Balances.*

1 balance and cabinet furnished by the Commonwealth to Suffolk County, in the custody of the Boston Sealer; capacity, 50 lbs.

1 balance, sensitive to $\frac{1}{4}$ grain; capacity, 16 lbs.

1 dormant, " " $\frac{1}{16}$ " " 2,700 lbs.

1 platform balance, capacity, 300 pounds, sensible to $\frac{1}{4}$ oz.

1 balance for testing 50-lb. weights, sensible to 1 grain.

Standard Troy Balances.

1 bank gold balance, sensitive to $\frac{1}{4}$ grain; capacity, \$10,000.

1 jewelers' balance, sensitive to $\frac{1}{16}$ grain; capacity, 12 lbs.

1 apothecaries' balance, sensitive to $\frac{1}{16}$ grain; capacity, 8 lbs.

1 apothecaries' prescription balance, sensitive to $\frac{1}{10000}$ grain; capacity, 3 oz.

Standard Metric Balances.

1 short-beam analytical balance, with aluminum beam, bows, and pans; agate bearings, with adjustable shelf for supporting beaker with water, when taking specific gravities, sensitive to $\frac{1}{20}$ of a milligram; capacity, 400 grams.

Standard Avoirdupois Weights.

1 set of steel weights, 5, 10, 20, 25, and 50 lbs.; 5 weights.

1 set brass weights, from 1 drachm to 4 lbs.; 12 weights.
(The above named weights belong to Suffolk County.)

1 set of steel weights, 5, 10, 20, 25, and 50 lbs.; 5 weights

1 set brass weights, from 1 drachm to 4 lbs.; 12 weights.

Standard Troy Weights.

1 box of gold weights, from \$1,000 to \$5,000; 17 weights.

1 " " " " 10 dwts. to 3,000 dwts.; 11 weights.

1 box of gold weights, from 10 dwts. to 1,000 dwts.; 9 weights.

1 box of gold weights, from 10 dwts. to 500 dwts.; 9 weights.

1 box of gold weights, from $\frac{1}{2}$ dwt. to 500 dwts.; 19 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 1,000 grains; 23 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 240 grains; 19 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 10 grains; 10 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 10 grains; 9 weights.

1 set of cup weights, from $\frac{1}{4}$ oz. to 128 oz.; 11 weights.

1 " " " " $\frac{1}{8}$ oz. to 19 oz.; 8 weights.

Metric Weights.

1 box of weights, from 10 milligrams to 1 kilogram; 21 weights.

1 box of weights, from 1 milligram to 100 grains; 25 weights.

1 box of weights, from 50 kilograms to 200 kilograms; 6 weights.

1 box containing 1 kilogram.

Apothecary Weights.

1 box of weights, from $\frac{1}{2}$ scruple to 1 oz. ; 7 weights.

1 set “ “ $\frac{1}{2}$ “ “ 2 drachms ; 6 weights.

Standard Measures of Length.

1 metric meter.

1 U. S. Standard yard measure.

Standard Dry Measure.

1 set of iron measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.) Suffolk County standards.

1 set of iron measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.)

Standard Liquid Measures.

1 set of iron measures, from 1 gill to 1 gall. (6 measures.) Suffolk County standards.

1 set of iron measures, from 1 gill to 1 gall. (6 measures.)

*Duplicates of the Standard Weights and Measures,**Working Sets.*

7 Sealers' try scales.

2 even balances.

8 boxes of brass weights, from $\frac{1}{16}$ oz. to 4 lbs. (79 weights.)

1 set of steel weights, from 5 to 50 lbs. (5 weights.)

6 sets of brass hook weights, from 1 lb. to 16 lbs. (36 weights.)

148 U. S. standard 50-lb. weights.

1 box brass troy weights. (6 weights.)

1 set of apothecaries' weights, from 1 grain to 6 drachms. (21 weights.)

7 sets copper liquid measures, from 1 gill to 1 gall. (42 measures.)

2 three-gallon copper measures.

1 two-gallon copper measure.

28 copper dry measures, from 1 gill to 1 qt.

1 set of copper dry measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.)

1 copper measure, with nozzle, $\frac{1}{2}$ bushel.

4 brass yardstick measures.

4 charcoal-basket measures.

Horses, Wagons, Tools, etc.

6 horses.

9 wagons.

3 pungs.

7 sets of harnesses.

Complete outfit for horses, wagons, etc., miscellaneous tools.

Office Furniture.

Safe, wardrobe-closet, umbrella stand, chairs, 2 desks, work-benches, 2 clocks, counters, racks, stationery, water-cooler, 1 letter-press and stand.

The force of the department was increased by the addition of two deputies, as provided in the change of the Revised Ordinances.

This addition was made after the adoption of the annual appropriations by the City Council. No provisions had been made for salaries for the additional deputies, and consequently a transfer of appropriations became necessary.

COMPARATIVE TABLE OF TOTAL WORK BY THE DEPARTMENT FOR THE YEARS 1895-96.

	1895.	1896.
Total number of scales tested . . .	11,940	14,250
“ “ “ weights tested . . .	39,424	44,812
“ “ “ dry measures tested . . .	7,420	7,545
“ “ “ wet “ “ . . .	77,082	94,442
“ “ “ yardsticks “ . . .	1,679	1,662
“ “ “ charcoal-baskets tested, . . .	31	42
“ “ “ coal-baskets “ . . .	653	580
“ “ “ steel tapes . . .	—	3

Ninety per cent. of the entire work for the year 1896 and 1897 was done during the nine months, from May 1, 1896, to Feb. 1, 1897.

Increased earnings of the Department for the year 1896-97 over the year 1895-96, 20 per cent.

Respectfully submitted,

JOSEPH TONDORF,

Sealer of Weights and Measures.



ANNUAL REPORT
OF THE
SINKING-FUNDS DEPARTMENT,
FOR THE YEAR 1896-97.

BOARD OF COMMISSIONERS OF SINKING-FUNDS,
CITY HALL, Sept. 29, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: The Board of Commissioners of Sinking-Funds have the honor of presenting the following report, showing the transactions during the year ending Jan. 31, 1897:—

Amount of cash in treasury Jan. 31, 1896	.	\$2,019,316	93
Receipts during the year	.	5,549,707	11
		\$7,569,024	04
Payments during the year	.	5,053,486	91
Amount of cash Jan. 31, 1897	.	\$2,515,537	13
Total amount of investments Jan. 31, 1896.	.	\$22,305,250	00
Investments purchased during the year	.	3,030,300	00
Carried forward,		\$25,335,550	00
		\$2,515,537	13

Brought forward,	\$25,335,550 00	\$2,515,537 13
Investments matured during the year	2,484,500 00	
		22,851,050 00
Amount of funds Jan. 31, 1897 . . .		<u>\$25,366,587 13</u>

With this report will be found the report of the Treasurer, the annual statement of the Board, showing debt and funds, and a statement covering the work for sixteen years, with the report of the examiner.

Respectfully submitted,

HENRY R. REED,
Chairman.

BOSTON, Feb. 13, 1897.

To the Board of Commissioners of Sinking-Funds of City of Boston :

GENTLEMEN: The undersigned herewith presents his annual report as Treasurer of the Board of Commissioners of Sinking-Funds for the year 1896-97:

Balance of Cash Jan. 31, 1896.....			\$2,019,316 93
Received in 1896-97 :			
Interest on Bank Deposits.....		\$34,141 14	
“ “ Investments.....		951,722 84	
“ “ Sterling Debt redeemed in London.....		92,239 91	
Revenue from betterments, etc.....		58,183 04	
“ “ Laying Out and Construction of Highways.....		79,430 68	
Appropriation for Debt 1896-97.....		1,339,901 00	
Premium on Loans negotiated.....		314,848 50	
Revenue from Cochituate Water-Works for Debt Requirement.....		194,740 00	
Investments matured.....		2,484,500 00	
			5,549,707 11
			\$7,569,024 04
Disbursed in 1896-97:			
City Treasurer, for redemption of debt....	\$2,021,974 07		
Cost of Redemption of Debt in London, England.....	1,212 84		
		\$2,023,186 91	
Investments purchased.....		3,030,300 00	
			5,053,486 91
Cash Balance Jan. 31, 1897.....			<u>\$2,515,537 13</u>

RESOURCES OF THE SINKING-FUNDS, JAN. 31, 1897.

Sinking-Fund.	Cash.	Investments.	Total Resources.
Consolidated Street Improvement.....	\$269,941 34	\$1,792,600 00	\$2,062,541 34
New Public Library, Special.....	152,883 40	331,000 00	483,883 40
Twenty Year	513,124 64	5,214,810 00	5,727,934 64
Ten Year	868,315 08	2,472,500 00	3,340,815 08
Public Park.....	68,349 07	771,300 00	839,649 07
“ “ Special	10,372 20	1,382,100 00	1,392,472 20
New Cambridge Bridge	12,686 43	47,000 00	59,686 43
Stony Brook Improvement.....	19,372 86	100,000 00	119,372 86
Improved Sewerage.....	1,372 85	98,000 00	99,372 85
Laying Out and Construction of Highways..	51,674 15	544,500 00	596,174 15
Rapid Transit	43,173 86	167,000 00	210,173 86
“ “ Charlestown Bridge	404 98	.....	404 98
Blue Hill and Other Avenues.....	10,227 31	235,500 00	245,727 31
School Houses	702 52	57,000 00	57,702 52
Suffolk County Court-House	15,132 57	355,000 00	370,132 57
“ “ General	29,629 95	20,000 00	49,629 95
Cochituate Water.....	441,647 99	9,262,740 00	9,704,387 99
Moneys for Reduction of Debt.....	6,525 93	.....	6,525 93
	\$2,515,537 13	\$22,851,050 00	\$25,366,587 13

DEBT LIABILITIES OF THE SINKING-FUNDS, JAN. 31, 1897.

Classification of Debt.	Liabilities Jan. 31, 1896.	Debt issued in 1896-97.	Debt paid in 1896-97.	Liabilities Jan. 31, 1897.
Consolidated Street Improvement	\$1,861,525 66	.....	.....	\$1,731,051 59
New Public Library, Special	2,000,000 00	.....	.....	2,000,000 00
Twenty Year.....	16,247,475 00	\$1,437,000 00	.....	17,684,475 00
Ten Year.....	6,303,500 00	841,500 00	\$2,021,974 07	5,253,500 00
Public Park.....	2,907,000 00	11,300 00	.....	2,918,300 00
“ “ Special	8,200,000 00	500,000 00	.....	8,700,000 00
New Cambridge Bridge.....	250,000 00	.....	.....	250,000 00
Stony Brook Improvement	500,000 00	100,000 00	.....	600,000 00
Improved Sewerage	500,000 00	.....	.....	500,000 00
New Ferry Landing .....	.....	30,000 00	.....	30,000 00
Laying Out and Construction of Highways.....	2,150,000 00	1,200,000 00	.....	3,350,000 00
Rapid Transit.....	1,300,000 00	2,000,000 00	.....	3,300,000 00
“ “ Charlestown Bridge.....	20,000 00	130,000 00	.....	150,000 00
Blue Hill and other Avenues	1,000,000 00	1,500,000 00	.....	2,500,000 00
School Houses	500,000 00	500,000 00	.....	1,000,000 00
South Union Station .....	.....	25,000 00	.....	25,000 00
Suffolk County Court House.....	2,921,000 00	.....	.....	2,921,000 00
“ “ General	64,000 00	.....	.....	64,000 00
Cochituate Water.....	18,261,273 98	.....	.....	18,261,273 98
	\$64,985,774 64	\$8,274,800 00	\$2,021,974 07	\$71,238,600 57

SINKING FUND RESOURCES, JAN. 31, 1897.

CASH AND INVESTMENTS.

Cash deposited in Banks and Trust Companies, Jan. 31, 1897.

NATIONAL BANKS.

Atlantic.....	\$35,863 34
Atlas.....	51,005 68
Blackstone.....	54,454 46
Boston.....	50,263 34
Boylston.....	50,862 37
Broadway.....	33,777 99
Bunker Hill.....	35,941 23
Central.....	40,317 80
Columbian.....	50,081 81
Commercial.....	10,030 14
Continental.....	50,255 31
Everett.....	32,780 44
Faneuil Hall.....	50,036 17
First.....	50,812 51
First Ward.....	16,887 34
Fourth.....	30,680 75
Freemans.....	30,497 80
Globe.....	20,061 38
Lincoln.....	56,123 82
Manufacturers.....	26,247 29
Market.....	50,516 08
Massachusetts.....	31,958 47
Mechanics.....	15,337 98
Merchants.....	97,101 30
Metropolitan.....	20,515 46
Monument.....	20,521 58
Mount Vernon.....	22,252 45
National Bank of the Commonwealth.....	50,496 29
“ “ “ North America.....	56,294 86
“ City Bank.....	30,795 91
“ Eagle Bank.....	30,273 89
“ Exchange Bank.....	35,381 52
“ Hide and Leather Bank.....	50,540 43
“ Market Bank of Brighton.....	24,985 53
“ Rockland Bank.....	30,246 92
“ Security Bank.....	33,200 24
“ Union Bank.....	36,016 03
“ Webster Bank.....	150,823 35
New England.....	60,878 72
North.....	35,207 05
Peoples.....	20,852 09
Second.....	50,571 98
Shawmut.....	55,242 22
Shoe and Leather.....	25,103 49
State.....	180,940 00
Third.....	51,853 81
Tremont.....	30,930 63
Winthrop.....	25,859 17

TRUST COMPANIES.

American Loan and Trust Company.....	56,199 49
Boston Safe Deposit and Trust Company.....	56,881 99
Columbia Trust Company.....	20,093 15
International Trust Company.....	56,949 04
Massachusetts Loan and Trust Company.....	56,059 00
Mercantile Loan and Trust Company.....	25,409 33
New England Trust Company.....	55,674 80
Old Colony Trust Company.....	56,501 49
Puritan Trust Company.....	15,045 21
United States Trust Company.....	15,045 21

\$2,515,537 13

Investments Jan. 31, 1897:

City of Boston 5% Bonds.....	\$124,000 00
“ “ 4% “.....	12,013,050 00
“ “ 3 1/2% “.....	2,384,000 00
“ “ 3 1/4% “.....	29,000 00
“ “ 3% “.....	309,000 00
Cochituate Water 6% Bonds.....	\$3,802,000 00
“ “ 4% “.....	2,431,000 00
“ “ 3 1/4% “.....	400,000 00
“ “ 3% “.....	200,000 00
	6,833,000 00

Carried forward.....

\$21,692,050 00 \$2,515,537 13

<i>Brought forward</i>		\$21,692,050 00	\$2,515,537 13
County of Suffolk 4% Bond	496,000 00		
“ “ 3% “	663,000 00		
		1,159,000 00	22,851,050 00
Total Resources Jan. 31, 1897.....			<u>\$25,366,587 13</u>
INVESTMENT ACCOUNT.			
Amount of Investments on hand Jan. 31, 1896.....		\$22,305,250 00	
Purchased in 1896-97:			
City of Boston 4% Loans.....	\$1,280,300 00		
“ “ 3% “	550,000 00		
“ “ Temporary Loans.....	1,200,000 00		
		3,030,300 00	\$25,335,550 00
Matured in 1896-97:			
City of Boston Loans.....		\$2,467,500 00	
County of Suffolk Loans.....		17,000 00	
			2,484,500 00
Amount of Investments Jan. 31, 1897.....			<u>\$22,851,050 00</u>

STATEMENT

OF THE CASH RECEIPTS AND DISBURSEMENTS OF ALFRED T. TURNER, TREASURER OF THE BOARD OF COMMISSIONERS OF SINKING-FUNDS OF THE CITY OF BOSTON FROM JULY 16, 1881, to JAN. 31, 1897, INCLUSIVE.

Amount of Cash received from C. H. Dennie, Treasurer, July 16, 1881.....		\$1,365,928 20
Cash receipts:		
July 16, 1881, to April 30, 1882	\$3,696,475 98	
May 1, 1882, “ “ 30, 1883	4,955,195 34	
“ 1, 1883, “ “ 30, 1884	4,997,400 18	
“ 1, 1884, “ “ 30, 1885	4,291,180 57	
“ 1, 1885, “ “ 30, 1886	3,418,975 23	
“ 1, 1886, “ “ 30, 1887	4,663,236 32	
“ 1, 1887, “ “ 30, 1888	4,229,152 62	
“ 1, 1888, “ “ 30, 1889	6,388,433 83	
“ 1, 1889, “ “ 30, 1890	4,859,804 01	
“ 1, 1890, “ “ 30, 1891	6,040,412 79	
“ 1, 1891, “ Jan. 31, 1892	8,854,593 85	
Feb. 1, 1892, “ “ 31, 1893	10,163,938 71	
“ 1, 1893, “ “ 31, 1894	8,825,587 39	
“ 1, 1894, “ “ 31, 1895	3,859,602 59	
“ 1, 1895, “ “ 31, 1896	3,503,808 09	
“ 1, 1896, “ “ 31, 1897	5,549,707 11	88,297,504 61
		<u>\$89,663,432 81</u>
Cash disbursements:		
July 16, 1881, to April 30, 1882	\$2,619,174 81	
May 1, 1882, “ “ 30, 1883	5,988,629 28	
“ 1, 1883, “ “ 30, 1884	4,774,324 39	
“ 1, 1884, “ “ 30, 1885	2,864,567 54	
“ 1, 1885, “ “ 30, 1886	4,527,025 97	
“ 1, 1886, “ “ 30, 1887	5,398,858 89	
“ 1, 1887, “ “ 30, 1888	2,734,208 80	
“ 1, 1888, “ “ 30, 1889	4,599,541 89	
“ 1, 1889, “ “ 30, 1890	5,727,351 99	
“ 1, 1890, “ “ 30, 1891	5,805,116 34	
“ 1, 1891, “ Jan. 31, 1892	6,157,852 45	
Feb. 1, 1892, “ “ 31, 1893	10,704,092 71	
“ 1, 1893, “ “ 31, 1894	10,937,072 56	
“ 1, 1894, “ “ 31, 1895	6,275,546 27	
“ 1, 1895, “ “ 31, 1896	2,981,044 88	
“ 1, 1896, “ “ 31, 1897	5,053,486 91	87,147,895 68
		<u>\$2,515,537 13</u>
Cash Balance Jan. 31, 1897.....		

ALFRED T. TURNER,
Treasurer.

CITY OF BOSTON,
BOARD OF COMMISSIONERS OF SINKING-FUNDS,
CITY HALL, May 11, 1897.

The Committee on Accounts of this Board, appointed to examine the investments of the Sinking-Funds, having completed its examination, report that they find the amount of bonds stated by the Treasurer, viz., \$22,851,050, is correct.

SAMUEL JOHNSON, } Committee
NATHANIEL J. RUST, } on
LAURENCE MINOT, } Accounts.

BOARD OF COMMISSIONERS OF SINKING-FUNDS.

Henry R. Reed, <i>Chairman</i>	term ends May 1, 1900.
Charles H. Cole . . .	term ends May 1, 1900.
John H. Sullivan . . .	term ends May 1, 1899.
Charles E. Morrison . . .	term ends May 1, 1899.
Samuel Johnson . . .	term ends May 1, 1898.
Nathaniel J. Rust . . .	term ends May 1, 1898.

REPORT OF EXAMINER.

BOSTON, Sept. 25, 1897.

To the Board of Commissioners of Sinking-Funds of the City of Boston :

GENTLEMEN: Having made an examination of Mr. A. T. Turner's accounts, I beg leave to submit the following report. The period covered by this examination extended from Feb. 1, 1896, to June 7, 1897, inclusive, the latter date being the one upon which I counted all money in the City Treasurer's possession. I also verified the bank balances and secured certificates from all banks holding City of Boston and Board of Commissioners of Sinking-Funds deposits, said certificates forming part of my report to the Committee on Treasury Department. On pages 7, 8 and 9 herewith, will be found a recapitulation of the cash receipts and disbursements for the period, as well as a list of the deposits to the credit of the Board of Commissioners of Sinking-Funds in the various banks and trust companies of Boston at close of day June 7, 1897.

I have examined and verified the bank interest on deposits by comparison with the bank pass-books, and have seen

voucher from Baring Bros. for item of interest on Sterling debt redeemed, and for cost of redemption of same. I have proven the clerical accuracy of all Sinking-Fund accounts shown in statement Jan. 31, 1897, by applying all transactions during the year to the statement shown Jan. 31, 1896, a sheet showing which proof is included in my report to the Committee on Treasury Department. As I have been informed by Mr. Turner that the investments in City Bonds have been examined by your Board, as in the past, I found no further duty necessary to complete the work of examination of your Treasurer's accounts.

Very respectfully,

M. J. FITZGERALD.

BANK BALANCES JUNE 7, 1897.

Atlas National Bank	\$41,429 11
Broadway National Bank	27,058 36
Bunker Hill National Bank	28,239 58
Central National Bank	32,677 64
Columbian National Bank	40,497 49
First Ward National Bank	17,029 46
Fourth National Bank	24,935 36
Market National Bank	40,935 39
Monument National Bank	16,691 92
National Security Bank	26,479 68
National Rockland Bank	24,497 44
People's National Bank	17,026 44
Second National Bank	40,991 73
Shoe and Leather National Bank	20,313 12
State National Bank	120,998 72
Third National Bank	42,284 24
Tremont National Bank	25,187 41
Winthrop National Bank	21,073 85
Atlantic National Bank	28,161 06
Blackstone National Bank	43,906 31
Boston National Bank	40,681 11
Boylston National Bank	41,284 59
Continental National Bank	40,672 39
Everett National Bank	27,052 55
Faneuil Hall National Bank	40,451 54
First National Bank	96,852 82

Carried forward \$967,409 31

<i>Brought forward</i>	\$967,409 31
Freeman's National Bank	24,750 82
Lincoln National Bank	44,589 69
Manufacturers National Bank	20,465 18
Massachusetts National Bank	25,223 63
Mechanics National Bank	15,465 17
Metropolitan National Bank	16,685 65
Mt. Vernon National Bank	17,437 14
National Bank of the Commonwealth	39,915 84
National Bank of North America	44,761 50
National City Bank	25,051 53
National Eagle Bank	24,528 71
National Exchange Bank	27,675 21
National Hide and Leather Bank	39,959 96
National Market Bank of Brighton	20,192 98
National Union Bank	28,314 92
New England National Bank	48,383 44
North National Bank	28,499 31
National Webster Bank	102,076 44
Shawmut National Bank	44,700 81
Merchants National Bank	121,105 91
American Loan and Trust Company	45,665 98
Boston Safe Deposit and Trust Company	45,354 96
International Trust Company	45,421 76
Massachusetts Loan and Trust Company	45,525 36
Mercantile Loan and Trust Company	20,622 54
New England Trust Company	45,136 86
Old Colony Trust Company	45,974 46
Columbia Trust Company	16,259 90
Commercial National Bank	10,113 05
Globe National Bank	16,228 60
Puritan Trust Company	15,172 23
United States Trust Company	15,170 07
Total	<u>\$2,093,838 92</u>

SINKING-FUNDS CASH ACCOUNT.

Feb. 1, 1896. Balance on hand	\$2,019,316 93
Receipts for year ending Jan. 31, 1897	5,549,707 11
Receipts for period February 1 to June 7, inclusive	578,301 79
	<u>\$8,147,325 83</u>

Payments for year ending Jan. 31, 1897 . .	\$5,053,486 91
Payments for period February 1 to June 7, inclusive	1,000,000 00
Balance on hand Feb. 1, 1897	2,093,838 92
	\$8,147,325 83

ANNUAL REPORT
OF THE
STREET DEPARTMENT
OF THE
CITY OF BOSTON,
FOR THE YEAR 1896.

[DOCUMENT 29—1897.]

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ANNUAL REPORT
OF THE
STREET DEPARTMENT,
FOR THE YEAR 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston :

SIR: In compliance with the Revised Ordinances, the annual report of the operations and expenses of the Street Department for the year 1896 is herewith respectfully submitted.

ORGANIZATION.

The work of the department during the past year has been carried on under the same organization that was effected when the consolidated department was created in 1891 and as amended in 1895, the several divisions of the department being as follows :

Central Office.
Boston and Cambridge Bridges.
Bridge Division.
Ferry Division.
Paving Division.
Sanitary Division.
Sewer Division.
Street-Cleaning Division.
Street-Watering Division.

Each of the above divisions, with the exception of the Central Office and the Boston and Cambridge Bridges, is in charge of a Deputy Superintendent.

The Boston and Cambridge Bridges are managed by two commissioners, the Superintendent of Streets being the commissioner for the city of Boston, the other commissioner being appointed by the Mayor of the city of Cambridge.

The year 1896 has been a most successful one in the Street Department, inasmuch as in addition to the great amount of new construction accomplished, a large amount of most necessary work, which has been contemplated and recommended for years past, has been completed, or is under way.

More extensive study than is given under this résumé of the year's work, with detail of figures and expenditure, will be found in the division reports of the Deputy Superintendents.

MAINTENANCE. — APPROPRIATIONS AND EXPENDITURES.

	1891-92. 13 months.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97. 53 weeks.
Appropriations and transfers,	\$2,318,374 82	\$2,528,359 52	\$2,231,517 76	\$2,107,939 30	\$2,165,018 56	\$2,088,690 05
Expenditures ...	2,290,621 33	2,487,095 87	2,174,095 35	2,038,855 91	2,140,177 63	2,134,944 49

The weekly pay-rolls of the department are made up to the close of work Thursdays, approved Fridays, and charged on the books of the City Treasurer Saturdays. Feb. 1, 1896, falling on a Saturday, one roll of the 1895 year was paid from the 1896 appropriation, thus making fifty-three payments. The amount of this roll was \$22,155.12.

The money assigned for Street Department work the past year was made available under the following appropriations:

First. — Maintenance: At the commencement of the financial year, February 1, the department estimates of the amounts necessary for the proper maintenance of the various divisions are submitted to His Honor the Mayor, who makes such recommendation as he may deem proper to the City Council. The appropriations passed for this purpose were as follows:

Central Office	\$19,000 00
Bridge Division	120,000 00
Cambridge and Boston Bridges	13,000 00

Amount carried forward \$152,000 00

<i>Amount brought forward</i>		\$152,000 00
Ferry Division		218,000 60
Paving Division		630,000 00
Sanitary Division		435,000 00
Sewer Division		280,000 00
Street-Cleaning Division		300,000 00
Street-Watering Division		70,000 00
Total		\$2,085,000 00

Second. — Special work done under loan appropriations for permanent improvements: There was made available from loan money, \$25,000 for new or reconstruction work in each of the twenty-five wards, Ward 23 receiving \$25,000 additional, or a total of \$650,000 for all.

In addition to the above amount, balances and orders passed during the year for special items amounted as follows:

Bridge Division		\$55,543 86
Ferry Division		742 94
Paving Division		362,931 99
Sewer Division		205,343 80
Total		\$624,562 59

Third. — In 1891 an Act was passed by the Legislature entitled, "An Act Relating to the Location, Laying Out, and Construction of Highways in the City of Boston." (Chap. 323.) From this fund new streets and sewers assessable on the abutting property are built. The amount expended the past year was:

Streets		\$174,961 88
Sewers		435,538 20
Total		\$610,500 08

Fourth. — In 1895 an Act was passed by the Legislature, entitled, "An Act to Provide for the Laying Out and Construction of Certain Highways in the City of Boston" (commonly known as the Boulevard Act). (Chap. 334.) The amount expended this year was as follows:

Streets		\$703,118 93
Sewers		143,759 89
Total		\$846,878 82

Fifth.—In 1896 an Act was passed by the Legislature, entitled, "An Act Relative to Stony brook in the city of Boston." (Chap. 530.) \$500,000. The amount expended this year was \$98,150.74.

Sixth.—In 1895 an Act was passed by the Legislature, entitled, "An Act Relative to the Establishment of a New Ferry Landing in the city of Boston." (Chap. 435.) \$500,000. The amount expended this year was \$21,961.61.

Seventh.—In 1896 an Act was passed by the Legislature, entitled, "An Act to Provide for a Union Station for Passengers on Railroads entering the southerly part of the city of Boston." (Chap. 516.) The amount expended this year was as follows:

Sewers	\$1,847 02
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Thus the expenditures under the several appropriations of the year 1896 were as follows:

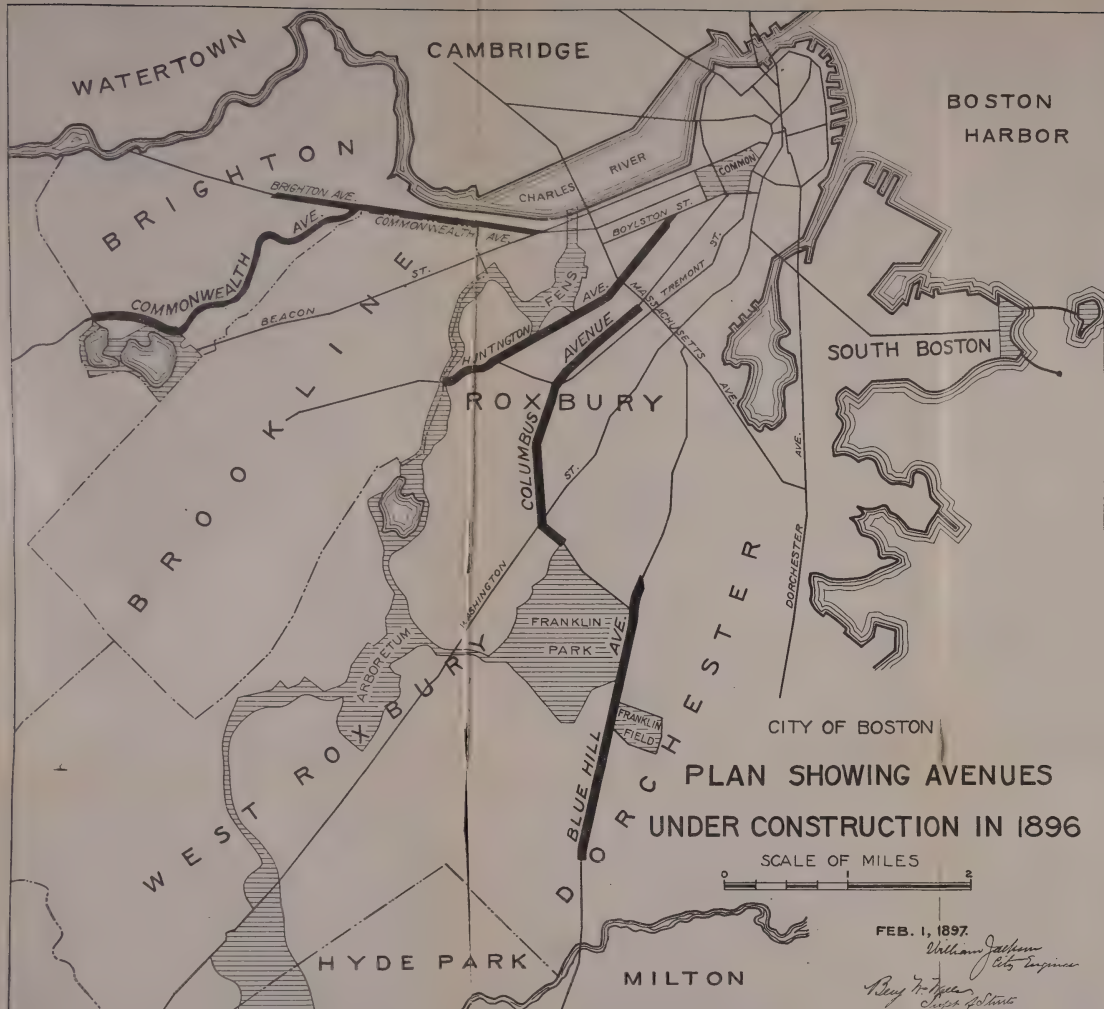
Maintenance	\$2,134,944 49
Street Improvements (by wards).	677,900 11
Bridge, specials	27,172 77
Ferry, specials	742 94
Paving, specials	199,195 79
Sewer, specials	70,084 42
Laying Out and Construction of Highways	610,500 08
Blue Hill and Other Avenues (Boulevard Act)	846,878 82
Stony Brook Improvement	98,150 74
New Ferry Landing	21,961 61
South Union Station	1,847 02
Total	\$4,689,378 79

CONSTRUCTION WORK, STREETS AND AVENUES UNDER "323" ACT.

The following streets and avenues were under construction during the year, and have been wholly or partially completed at an expenditure of \$230,194.03 for both sewer and surface work:

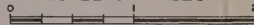
Abbotsford street.
Audubon road.
Bay State road.
Boylston street.
Brighton avenue.

Chamberlain street.
Clinton street.
Fenelon street.
Fullerton street
Gaylord street.



PLAN SHOWING AVENUES
UNDER CONSTRUCTION IN 1896

SCALE OF MILES



FEB. 1, 1897.

William Jackson
City Engineer
Ray H. Allen
Chief of Plans

Geneva avenue.
 Granby street.
 Greenbrier street
 Harvard avenue.
 Harvard street.
 Ivy street.
 Josephine street.
 Kenmore street.
 Lauriat avenue.
 Morse street.
 Newbury street.

Norway street.
 Parker street.
 Peterborough street.
 Ruggles street.
 Sherborn street.
 St. Alphonsus street.
 St. Germain street.
 Turner street.
 Vancouver street.
 Wilder street.
 Wolcott street.

The work on the Boulevards commenced in 1895, has made great progress this year. The original appropriation for the reconstruction and building of the four avenues, including land damages, was \$2,800,000. The four avenues are:

- First*: Blue Hill avenue.
- Second*: Columbus avenue.
- Third*: Commonwealth avenue.
- Fourth*: Huntington avenue.

In addition, Brighton avenue was ordered and constructed under a special Act relating to the "Laying Out and Construction of Highways Act."

The general design of the five radial avenues in their relation to city parks and other points of interest to the public is shown roughly in the accompanying sketch, the new portions being marked in heavy black lines.

BLUE HILL AVENUE.

From the diagram it will be seen that Blue Hill avenue will form the most direct means of connection with Milton and the Blue Hills Reservation of the Metropolitan Park Commission, and, passing as it does the whole length of Franklin Park and Field, and through a section noted for its beautiful landscape views, it will be valued not only as a driveway for pleasure carriages, but as a most desirable residential street convenient for electrical transit. One roadway of this avenue in Telford macadam was built this year, and the other will be completed during the working season of 1897 to Walk Hill street. The remaining part from Walk Hill street to Mattapan, involving the abolishment of the grade crossing of the New York, New Haven & Hartford Railroad, should be ordered as soon as possible.

COLUMBUS AVENUE.

From Massachusetts avenue to within sixty feet north of Station street has been constructed as an asphalt roadway fifty-four feet in width from curb to curb, including a double track with full grooved rails sixty feet long, flush in guard and tread, with the asphalt surface. These rails were especially designed and constructed for this avenue, and are put to trial for the first time, and, if successful, will probably become the standard rail for asphalt streets. It is the only sample of this style of construction in the city.

From Massachusetts avenue to Terry street is laid with Trinidad Lake asphalt. From Terry street to sixty feet north of Station street with Sicilian Rock asphalt.

The section from Roxbury Crossing to Ritchie street is at present occupied with Stony brook construction, and its paved surface will be laid as soon as this and other underground work are completed.

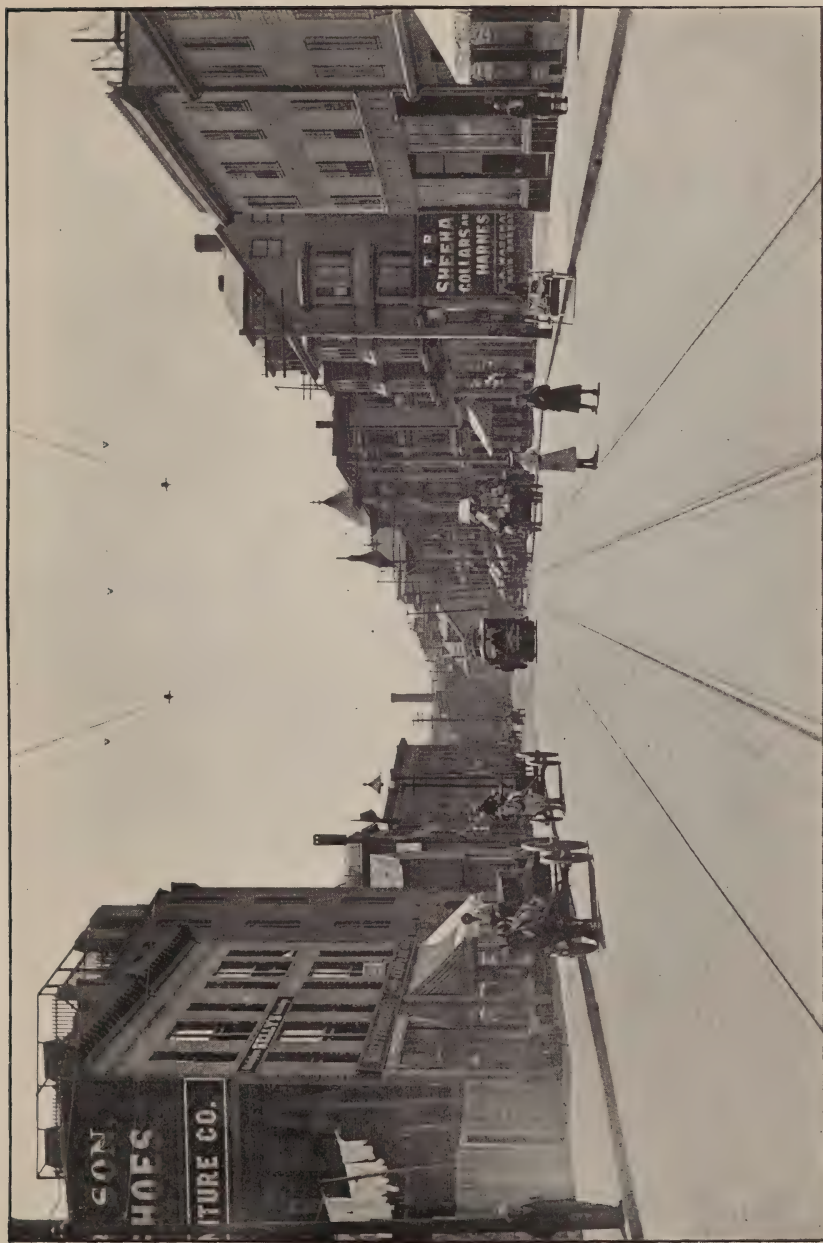
In the section from Ritchie street to West Walnut park the sewer is nearly finished, and this section will be ready in the early summer for contract for the street surface.

The last section from West Walnut park to Walnut avenue is built of Telford macadam with granite edgestone and brick sidewalks. This section opens into Franklin Park, making Columbus avenue the most direct line to the Park from the city proper.

COMMONWEALTH-AVENUE EXTENSION.

A portion of the avenue, known as Commonwealth-avenue extension, built under the "Boulevard" Act, extending from Chestnut Hill avenue to the Newton line, was partly sewered last year. This year the sewers have been completed, water mains laid, and the construction of the roadway with Telford macadam finished.

The width is one hundred and twenty feet and a double roadway of twelve-inch Telford macadam has been constructed during the past year. This extension of the avenue forms a connecting link between Boston and Newton, so that a continuous drive is possible without leaving the boulevard from the Public Garden to the Charles river at Auburndale, or a distance of 11.14 miles. Their total length in Boston is 8.06 miles, and the total cost, exclusive of land damages, will be within the total appropriations therefor. The details of construction and of items of interest relating to the above-named boulevards may be gathered from the City Engineer's report.



COLUMBUS AVENUE — LOOKING SOUTHWEST FROM PRENTISS STREET TOWARD ROXBURY CROSSING,
SHOWING ASPHALT SURFACE AND CAR TRACKS.

COMMONWEALTH AVENUE.

That portion of Commonwealth avenue laid out under the general law still remains to be finished.

Much work has been done this year, the most important of which was the building of the bridge over tracks of the Boston & Albany Railroad at Cottage Farm, a most substantial structure of stone and iron, with an asphalt surface.

Much work has also been done on the sidewalks and roadways, and the widening at a point beyond Washington street carried on.

There remains a considerable further amount of work to be done; the section from Wargen to Chestnut Hill avenues, to cost exclusive of sewers \$167,000, although one roadway of the entire avenue is now in a safe and passable condition.

The construction of this avenue depends on an annual appropriation, and the expenditure to date is within the engineer's estimate.

The speedway, planned in 1895, to be built on the southerly side of Commonwealth avenue, starting at Brighton avenue and extending to Cottage-Farm bridge, a distance of five-eighths of a mile, was constructed this year. Great care was taken, and the best advice of race-track experts solicited, and under their direction a loam track was constructed. As this matter of speedways has been agitated somewhat the past year, I append herewith a letter written to His Honor the Mayor, covering the views of this department:

STREET DEPARTMENT, CITY HALL,
BOSTON, Dec. 9, 1896.

HON. JOSIAH QUINCY, *Mayor*:

SIR: I herewith inclose, without the approval of this department, the request of the Board of Aldermen and citizens' petition for the construction of a speedway on Blue Hill avenue, between Morton street and Talbot avenue.

I am a firm believer in the establishment of a speedway, and this year built such a road at Brighton, and this would have been more successful had the lay of the land been more favorable. The drawbacks discovered on this location are the same that would exist on Blue Hill avenue. The proper construction of a speedway calls for a deep loam road construction similar to a race track. On this there can be no crosswalks, and cross streets cause a depression, at the point of intersection, and the crossing of teams makes speeding dangerous.

The location should also be such that the speedway could be closed within certain hours, so that heavy travel could be kept out without a police watch such as has been necessary on Commonwealth avenue. The part of Blue Hill avenue asked for this purpose has running into it cross streets. Residents on these streets and teams entering for the delivery of ice, coal and other purposes must cross or follow

the speedway. Also, to take the cars which run through the central space of the avenue, people must cross without crosswalks ; and the nature of a loam road makes this very muddy in wet weather.

The building up in the near future of the land bordering on the speedway would ruin the road during operations ; and thereafter, the householders might properly object to restrictions as to driving, or standing a team opposite their houses, which must be enforced if the object of the drive is to be maintained. The very considerable expense attending the construction of a road of this kind should prevent the location of a speedway in any but a fairly permanent locality. In regard to the Blue Hill location the avenue was laid out under chapter 323 of the Acts of 1891 and amendments thereto, and a definite construction was ordered by the Street Commissioners. One roadway has been completed, and the other let by contract, in accordance with this order. Inasmuch as Blue Hill avenue is a through turnpike road, had a speedway been contemplated, the lay out would have been different.

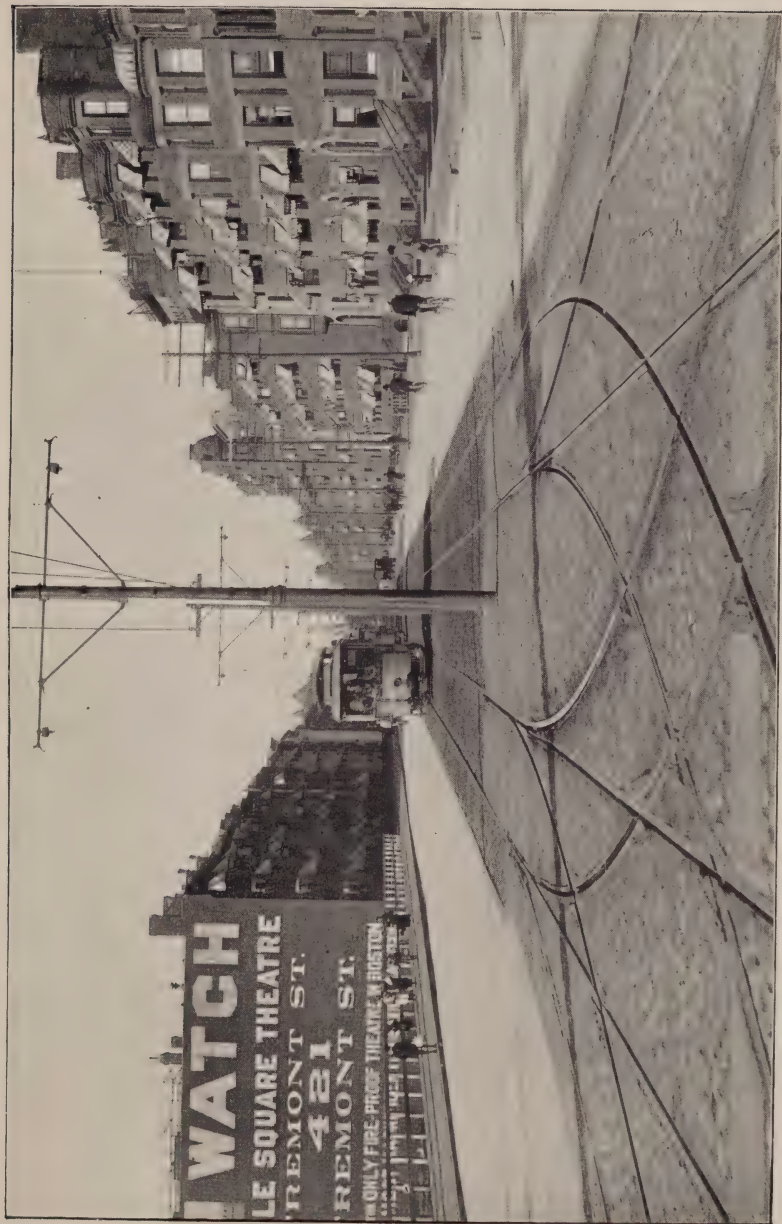
On the Brighton speedway I have had located an inspector for the sole purpose of determining its value to the horsemen and lovers of fast driving, and his reports show that the idea is a most excellent one ; but experience there proves my argument that a straight stretch of land should be found along the line of the parkways, on the river front, or in a reserved central space on some broad avenue, where travel of all kinds except the light and fast could be kept off without detriment to the surrounding property or an unnecessary expense to the police appropriation.

Respectfully submitted,
BENJ. W. WELLS,
Superintendent of Streets.

As an outcome of a meeting held at this office of some of the fast horse owners in Boston, a committee was appointed, and the matter laid before the Legislative Committee on Metropolitan Affairs, requesting that an appropriation be provided by the Metropolitan Park Commissioners for the building of a speedway, as suggested in this letter.

HUNTINGTON AVENUE.

From Copley square to Francis street has been entirely reconstructed the past year, widened to one hundred feet, with a central reserved space for the West End Street Railway tracks twenty-five feet wide ; and from Francis street to the Brookline line it is finished as a single roadway fifty-four feet in width. All of Telford macadam except the part between the Boston & Albany Railroad bridge and Gainsborough street, which is laid in Sicilian Rock asphalt. This avenue is a direct thoroughfare to Brookline and the Back Bay parks, and is especially convenient for access to the Mechanics Building, used as it is for exhibition purposes that requires the transportation of bulky merchandise.



HUNTINGTON AVENUE AT MASSACHUSETTS AVENUE—SHOWING ASPHALT SURFACE
AND RESERVED SPACE.

BRIGHTON AVENUE.

The avenue extends from Commonwealth avenue to Union square, and is 100 feet wide with a twenty-five foot reserved space for the tracks of the West End Street Railway Company. It is built of Telford macadam, and also has two roadways. This should be extended in a straight line to the Watertown bridge, and would then become a popular drive to Waltham.

These beautiful avenues, costing large sums of money, are bound to be greatly appreciated, and the increase in land values and the improvement in property will more than repay for the outlay.

Vast areas of land, formerly of little value, are now made available by the introduction through these new avenues of sewers, water, gas, electric light, and electric cars.

CLINTON-STREET WIDENING.

Another improvement, which will bring back many fold its cost, is the widening of Clinton street at its junction with Commercial street. This narrow street was like the neck of a bottle. At all hours of the day in this busy locality might be found delays and blockades of teams, extending many squares, from this cause. The widening at this point has fully overcome the difficulty, and is a great relief.

PAVING DIVISION.

APPROPRIATION.

Maintenance.	Specials.
\$630,000 00	\$1,198,127 93

EXPENDITURE.

Maintenance.	Specials.
\$628,675 46	\$877,095 90

For expenditures under Laying Out and Construction of Highways and Blue Hill and Other Avenues, see page 3.

This division has charge of the maintenance and reconstruction of about four hundred and fifty-nine (459) miles of streets.

These streets include all the different kinds of construction, from the simple gravel road for light suburban travel to the heavy paved streets with concrete base.

The immense quantities of Telford and cracked stone to be required by the city in road building operations of the year, and to be furnished by the Paving Division, was a subject of careful study and preparation during the winter months. The various crushers were inspected, and many changes found necessary, both as regards the economy of operation and in the line of improvement in the quality of the output. Screens were changed, platforms raised, boilers and machinery overhauled, and every effort made to improve the quality of stone used on the streets.

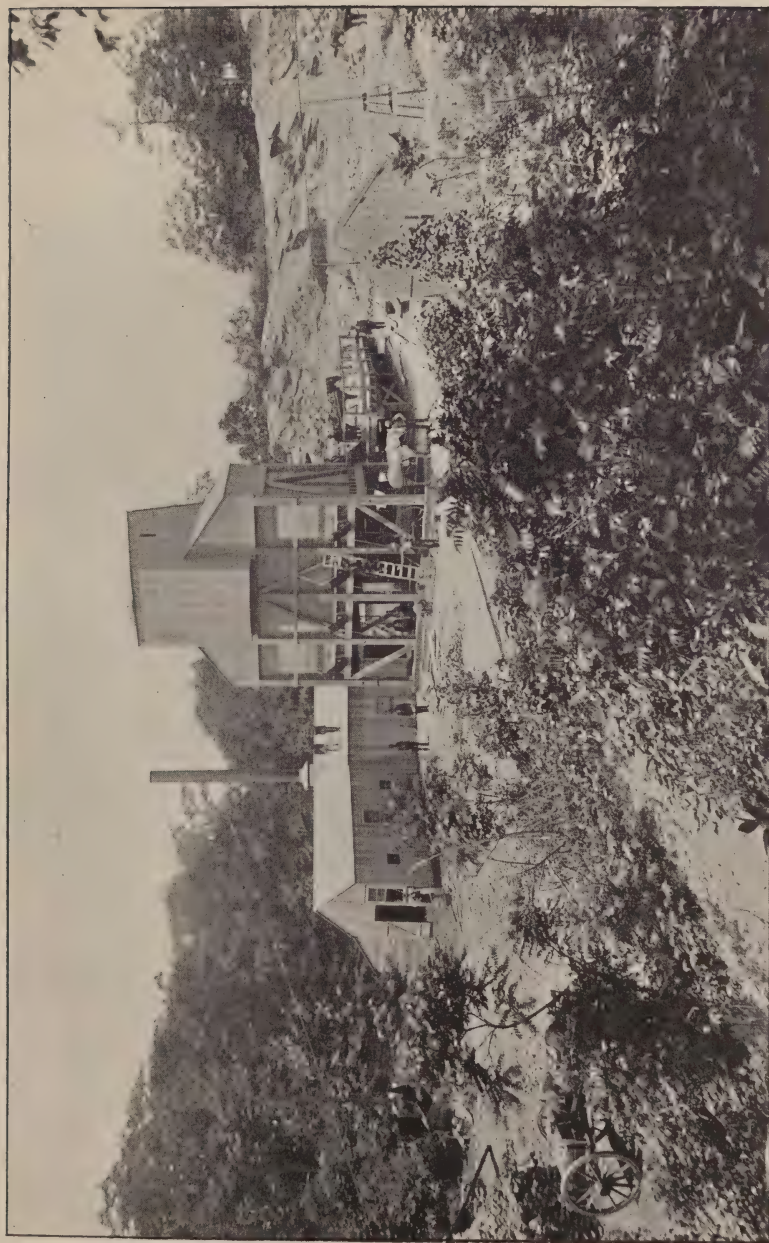
A new crushing plant was built at Bleiler's Ledge on Heath street. The stone in this ledge has been known for many years for its hardness. A portion of this plant was brought from Kenney's Ledge where a double crusher had been set up in 1895. The poor quality of the stone in that ledge and the small quantity remaining made it advisable not to continue the operation of a large plant at that point.

To replace the Roslindale crusher, which was a small, crude, flat screen affair, supplied with stone from various unreliable sources, a model plant was erected on Centre street, West Roxbury, in a large quarry of most excellent stone, adjacent to an extensive territory needing in the near future a great supply of cracked stone. This section of the city has been growing very rapidly, and street improvement has not kept pace with development of property, owing to the lack of suitable road stock in the neighborhood for the avenues, new streets, street improvements, and repairs.

CRACKED STONE, BALLAST OR TELFORD.

Output of stone from city crushers.

	Crushed Stone. <i>Tons.</i>	Telford. <i>Tons.</i>
Bleiler's ledge.....	25,638	925
Centre street crusher.....	9,777	
Chestnut Hill avenue crusher.....	17,757	
Codman street ledge.....	12,668	291
Commonwealth avenue ledge.....	16,134	10,217
Dimock street crusher.....	36,899	
Kenney street ledge.....	19,505	1,377
Rosseter street ledge.....	19,016	3,544
Totals.....	157,394	16,354



HEATH STREET CRUSHER, BLEILERS LEDGE, ROXBURY.

Greater care was exercised in the care and cleaning of the streets covered by the paving division and a special patrol service for the collection of waste paper, loose stones, etc., extended to the sections of the city not covered by the street-cleaning division.

This division also has charge of the placing of street signs. The work this year was unusually extensive owing to the change in the ward lines, making necessary many new signs.

PERMITS.

Under the law and by ordinance, permits, allowing certain work to be done on or within the streets, must be obtained from the Superintendent of Streets. This requires the maintenance of a special force by the Paving Division for the purpose of issuing and keeping track of the permits, and also requires the services of a large number of inspectors whose duty it is to see that the conditions of the permits are not violated. No charge has heretofore been made.

Commencing Jan. 1, 1897, regulations for payment were adopted, and the following circular issued :

CITY OF BOSTON

STREET DEPARTMENT.

Notice to Corporations and Contractors.

On and after Jan. 1, 1897, a charge will be made for each permit issued from the Permit Office of this Department in accordance with the following schedule:—

Class A, \$1.00 each.

Permits for the following purposes :

Ordinary excavations.

Laying drains.

Laying wires, conduits, and railroad tracks.

Occupying streets for erecting and repairing buildings, and other purposes connected with buildings, when they do not become the part of another permit.

Placing electric poles in the streets.

Placing coal holes and vaults under the sidewalks.

Moving buildings.

Feeding horses.

Selling fruit, etc., from buildings.

Occupying sidewalks for more than ten minutes for the purpose of loading and unloading goods, (yearly permit.)

Driving cattle.

Wearing advertisement coat and hat, (yearly permit.)

Making emergency openings.

Class B, \$0.25 each.

Permits for the following purposes :

Raising and lowering goods into and from buildings.

Erecting signs.

Erecting and repairing awnings.

Selling from vehicles, pedlers, class 1.

Selling from receptacles, pedlers, class 2.

Selling from areas, pedlers, class 4.

Projecting electric lamps.

Distributing fine sand on pavements.

Occupying sidewalk and portion of street for cleaning snow from roofs of buildings, (yearly permit.)

Watering streets with watering carts.

On extension of permits, there will be a charge of \$0.25 each.

BENJ. W. WELLS,

Superintendent of Streets.

This system has thus far worked well, and the city put in receipt of an estimated income of from twenty to thirty thousand dollars a year.

Even with the most rigid inspection, however, the annual loss to the city by the disturbance of the streets by the corporations amounts to many thousands of dollars, and I would recommend that the law be so amended as to require a deposit by the corporations of a sum sufficient to pay for the replacing of the streets in proper condition, and that the city undertake that work.

The enforcement of the ordinance requiring a permit to parties selling from area, window or sidewalk has led to better conditions, and is appreciated not only by the merchants but the public.

The following clause in their permits has been maintained and better results as regards the cleanliness of streets in certain localities brought about:

CITY OF BOSTON.

Street Department Regulations.

This permit will be granted only to persons who are tenants of the first story or basement of the buildings from which they sell, and who are tax-payers of the City of Boston, and upon the express condition that the person to whom it is issued shall keep the street, within fifty feet of his premises, free from all refuse paper and litter created by the sale or handling of his wares. This permit must be shown to police officers or any authorized person on application.

Failure to observe these regulations will be a sufficient cause for the revocation of this permit.

BENJ. W. WELLS,

Superintendent of Streets of the City of Boston.

The maintenance appropriation allowed for the Paving Division is out of proportion to the demands made upon it.

With the great increase of street mileage the past few years, the appropriation allowed for the maintenance has grown less, making it impossible to adopt a proper system whereby the streets might be kept in such constant repair that reconstruction would be required at less frequent intervals.

The need of a large outlay for repaving the business section of the city is most apparent. Other large cities, such as New York and Philadelphia, have in the past few years repaved immense areas of streets ruined by the process of placing underground wires, pipes, etc. A special loan of \$500,000, outside the debt limit, should be authorized by the Legislature for the purpose of putting the down-town pavements in a condition in accordance with the standard of a first-class city. The tendency in many of the large cities has been towards asphalt, but owing to the severity of the winters in this city, the greater amount of snowfall and icy rains, I believe that the modern form of granite block paving on concrete base is the most desirable pavement for the heavy travelled business section.

Asphalt paving, however, should be used more extensively in many of the sections of the city where macadam roads are now maintained, owing to the low cost of maintenance, freedom from mud and dust, comparative noiselessness, and the more healthful conditions brought about by its use.

Owing to the small appropriations made for street reconstruction, the department has not been able to extend the asphalt paving as much as would have been desirable. Asphalt paving in addition to Columbus and Huntington avenues, has been extended as far as present conditions would allow to the sections where narrow streets and tenement houses exist.

SEWER DIVISION.

Appropriation.

Maintenance.	Specials.
\$280,000 00.	\$705,843 80.

Expenditure.

Maintenance.	Specials.
\$276,615 25.	\$170,082 18.

For expenditures under Laying-Out and Construction of Highways and Blue Hill and Other Avenues, see page 3.

The Sewer Division has charge of the construction and maintenance of all the sewers and sewerage works.

The mileage of sewers Feb. 1, 1897, is estimated to be 446 miles.

One hundred and sixteen thousand and eight (116,008) linear feet of sewers have been built during the past year by the city by contract or day labor, and thirty-eight thousand two hundred and forty-two (38,242) linear feet have been built by private parties according to the plans, and under the inspection of this division, and accepted under the usual forms of release.

CANAL-STREET SEWER SYSTEM.

As far back as 1887, attention was called to the condition of the Canal-street sewer system. A system of sewers filled to the top of the arch for over thirteen years, without being cleaned, most surely needed the immediate attention of this department, more especially as it is located in the heart of the city.

The only proper remedy is to build a main sewer across the city, from the east-side intercepting sewer, which is about four feet lower in grade than the west-side intercepting sewer, which, when built, will immediately drain out all the branch sewers of the district, and will also admit of placing cellars of new buildings at a much lower grade than formerly. In the annual report of the Superintendent of Streets, of 1891, and in all succeeding reports, the urgent need of reconstruction in this district has been dwelt upon. In the 1891 report, to quote briefly:

“Many of the old wooden sewers in the city proper are in very bad condition, and are really ready to fall in, notably those in Beverly, Billerica and Commercial streets. The district drained by Canal street, and bounded approximately by Causeway, Beverly, Endicott, Hanover, Portland and Merrimac streets, is in as bad condition, from a sanitary point of view, as can be imagined. All that portion of the city west of Hanover street, extending to the boundaries named, has been partly or wholly filled with water and accumulated sewage since 1883.”

The report of 1892 said:

“The condition of the first of these, the Canal-street district, was fully described last year. It is not necessary to go into a full explanation this year. Suffice it to say that the sewers are filled from one to three feet with sewage



OLD SEWER IN CENTRAL STREET, CANAL-STREET RELIEF SEWER.

sludge, which has been accumulating now about ten years. It is doubtful if there could be anywhere found sewers in worse condition than some in this district. Much of the district drained by these sewers is occupied by crowded tenement houses."

This was the condition four years ago. The need of further comment as to the necessity of pushing the work is unnecessary. Until this year, however, no action was taken. On the urgent recommendation of this department the City Council passed an appropriation of \$25,000 for the beginning of this improvement, and the work is well started. This amount will complete the section from the outlet at Atlantic avenue and Central street to a point near Chatham row. From there a further loan of \$75,000 will be necessary, and will, doubtless, be provided the coming year.

FOREST-AVENUE SECTION.

No work undertaken by this department relating to drainage is more manifestly in the interests of the public health than that providing for the sewerage of this fast developing section. It is well known that no sewer system or outlet could be built in this locality until the Dorchester interceptor should have been extended far enough to connect therewith. This is not likely to happen for ten or fifteen years. By providing a pumping plant, however, so as to lift the sewage something less than twenty feet, it could be discharged into an existing sewer.

A former loan to provide for this work was made in 1895, the sum appropriated being \$19,400. Since that time, however, in the development of the plans of Blue Hill avenue, it was found that a long stretch of sewers would have to be constructed therein without an outlet, but that if an increased depth of sewer and an increase of the lift of the pumps at this pumping station were made, at a slightly greater expense, this whole difficulty would be overcome.

Accordingly, the plans were changed, giving a greater depth of wheel-pits, making the whole system ample to take care of both territories. The sum of \$6,000 is therefore necessary in order that the plan, as already made, may be carried on to completion, the ironwork and machinery having already been designed with this end in view.

SHAMROCK-STREET OUTLET.

Previous to 1887, a single wooden outlet sewer, four feet by four feet, was in existence at the junction of Shamrock

street and Freeport street (then Commercial street), being the old outlet of the Shamrock-street sewer. As the Dorchester interceptor terminated at this point, this outlet served as an overflow outlet for both sewers, being provided with proper tide-gates. Later the interceptor was extended along the water front toward Neponset, and two more sets of tide-gates were established, to relieve the interceptor during storms.

During the year 1895, the filling of the flats adjoining the City's taking by the owning abutters began to approach the outlets, and proceeding at a rapid rate it has now extended to and across the outlets, which are therefore practically closed. It was necessary to make an additional taking, and to extend the outlet for a considerable distance, and ultimately to the main channel, at an estimated cost of about \$8,000.

The necessity for this immediate construction may be appreciated from the fact that it is the only existing overflow for the Dorchester interceptor between the main interceptor on Mt. Vernon street and Davenport brook. A heavy rainfall would undoubtedly cause extensive backing up of the sewers in all this part of Dorchester, flooding of cellars, leading to claims and suits for damages without limit, if this outlet had not been provided for. An appropriation was secured and the work is nearly finished.

DORCHESTER BROOK.

During the past year there has been constructed that portion of Dorchester brook between Norfolk avenue and Clifton street mentioned in last year's report. The construction of the old brook channel being poor and having gone to pieces, it became necessary that this brook be reconstructed. In the reconstruction of the same, the lines of the old channel were abandoned and the new sewer built through a proposed street. One of the principal reasons for reconstruction was on account of the necessity of increased size.

The same question of size comes up on this brook for that portion between Lawrence avenue and the connection, and also from the branch to Columbia street. This brook as at present constituted carries both surface water and house drainage, and is overloaded; and in all probability the brook channel will have to be used for surface water and a house sewer put through, discharging into the interceptor.

GUILD ROW RELIEF SEWER.

This is a piece of sewer work that has been advocated in previous reports for a number of years, and the old sewer



D STREET, UNDER N. Y., N. H. & H. R.R., DURING HEAVY RAIN JAN. 21, 1897.

has been a continual source of complaint from the abutters on account of its small size and high level. During the past year the sewer has been reconstructed on a low level with increased size, and removes all trouble and complaints for the future from this locality.

B AND SEVENTH STREETS OUTLET.

In the beginning of the year the government made an appropriation for the construction of this outlet of \$35,000. This was a very difficult piece of work, having to cross the tracks of the New England Railroad, but the city has constructed this outlet of ample size clear to the channel in the South Bay. This will remove all trouble in this locality and is the beginning of an extensive scheme of furnishing drainage for this end of South Boston.

The city contemplates proceeding with this system by rebuilding the sewer on Dorchester avenue from the outlet to D street, and continuing up D street to Eighth street. The relief to be afforded by these sewers is very much needed, and especially for that part of D street which is under the Old Colony Railroad tracks, where it is always flooded whenever a storm and a high tide come together, as can be seen by the annexed picture.

STONY-BROOK IMPROVEMENT.

The largest single sewer undertaking has been the commencement of the construction of the extension of the Stony-brook channels.

The following is a brief history of Stony brook :

Stony Brook first claimed the attention of the Legislature in 1868, when an act was passed authorizing the city of Boston and the town of West Roxbury to divert the waters out of the channel for the purpose of improving said brook. This act was amended in 1879 by giving said city and town authority to delegate to commissioners the powers granted them by the Acts of 1868. In 1874, after the annexation of West Roxbury, an act was passed, granting to the city of Boston the same powers, which, by the Act of 1868, were vested in the city of Boston and the town of West Roxbury. In all of these acts it was provided that the cost of the works might be assessed on the abutting property.

The channel, as it existed in 1886, was severely tested by the disastrous floods of February of that year, and proved to be entirely too small to handle the water which was de-

livered. The inadequacy of the existing structure was particularly evident in that portion of the valley lying below Roxbury Crossing, where an area of sixty-three acres was flooded, having more than one hundred buildings.

The occurrence of this flood led to the immediate appointment by the city government of a commission of experts to devise a plan for the prevention of floods in the future. This commission recommended in brief:

First. That in order to prevent floods in Roxbury at, and below Roxbury Crossing, a channel be at once constructed, capable of discharging two thousand cubic feet per second, extending from a point seven hundred feet above said crossing to the point of Back Bay park, a distance of forty-five hundred feet.

Second. That gradually, as West Roxbury became built up, thereby increasing the amount of flood discharge, the new channel should be extended up stream reaching finally the Hyde Park line.

Third. If West Roxbury should become a thoroughly urban district, the channel should be constructed to Neponset river, which, in conjunction with the channel, would handle the ultimate amount that would be delivered.

Steps were immediately taken to carry out the first part of the commissioners' recommendation, viz.: a new channel from a point about seven hundred feet above Roxbury crossing to the Back Bay park. In 1887 legislation was granted authorizing the city of Boston to build a new channel for, and to alter course of, Stony brook, within the above limits; the cost of same to be met by issuing a loan of \$500,000 outside the debt limit. This work was begun immediately and completed early in 1889.

The first step toward carrying out the second recommendation of the commissioners, the extension of the channel up stream into the Roxbury District, was made in 1895, when a section of the channel, about 2,300 feet in length, was built in connection with the separation of grades on the New York, New Haven & Hartford Railroad, for which the necessary special legislation was obtained in 1892-94.

In this section, extending from the sharp turn of the brook, near the railroad, and about 300 feet west of Amory street, to a point about 300 feet south of Boylston station, an old open channel was located on the site of the proposed widening of the embankment, which rendered it imperative that the new channel be constructed in advance of said embankment.

In 1896 legislation was asked from the State Legislature necessary to enable the department to divert and enlarge the



OLD STONE CHANNELS, STONY BROOK, CULVERT STREET.

channel of Stony brook between the section of the commissioners' channel, built in 1887-88, and the section built in 1895, and also the right to borrow outside the debt limit the money for carrying on this work. The length of the proposed improvement was about 3,000 feet, and the estimated cost in round numbers, \$500,000. This request was granted and the act was passed.

The opportunity to do the work at this time made it possible to relocate the channel of the brook within the lines of new Columbus avenue, which is under process of construction through what was formerly known as Pynchon street, extending from Roxbury crossing to Hog bridge. It also made it possible to conduct the work in connection with the improvements being carried on by the city of Boston and by the New York, New Haven & Hartford Railroad Company simultaneously, thus saving a very considerable sum of money.

As the work will be accomplished for a sum well within the appropriation, the Legislature has been petitioned to authorize the expenditure of any balance for the further extension of the covered channel of the brook, which in time must be carried still further towards its sources.

The work of reconstructing the channels was commenced in the middle of the summer from what is known as the old Stony brook gate house to the existing channel constructed by the New York, New Haven & Hartford Railroad Company above Centre street. Work has progressed in a rapid manner and will be finished during the coming summer. When this work is completed, Stony brook will be constructed according to the commissioners' plans as far as a point beyond Boylston street, Jamaica Plain. From this point to a point near Neponset avenue, at the junction of the Canterbury branch, a distance of 13,500 feet, it should be constructed in the same manner, as this portion of the country is low and has become very thickly settled, and the brook needs to be reconstructed so as to afford surface drainage; also, for the purpose of carrying along what is known as the West Roxbury low level sewer, which is built in conjunction with this conduit.

I would strongly advise that the government go to the Legislature the following year and procure another loan for the construction of this brook to the point above mentioned. If this is done there will be opened up and developed a large territory that can be used for suburban residential purposes. With the numerous improvements in the building of the park system, the park driveways, the extra facilities that have been

furnished by the New York, New Haven & Hartford Railroad Company for transportation, this territory will become so thickly settled that unless this is done, the open channel becomes an intolerable nuisance and the object of complaint by the Board of Health.

I also think it is necessary that the next Legislature should be petitioned for a sum of money for the reconstruction of the old Stony brook channels from the Belting Company to the outlet. These were constructed many years ago, and were not planned with any engineering skill, as the country at that time was only partially developed, and the brook was walled in and covered with old stone; and as this part of the territory has become very thickly settled, and a number of these channels are under public streets, namely, Culvert street, Rogers avenue and Vernon street, it becomes necessary, not only from a sanitary point of view, but also for public safety, to reconstruct these channels.

The condition of these channels can be seen by the accompanying engravings. The views show under Culvert street, a street that is heavily travelled, and unless some action is taken it is only a question of time when there will be an accident. Also in rebuilding this, I would recommend that the house sewers be reconstructed at the same time, so as to take out the drainage, as at present considerable house drainage goes into this brook and is discharged into what is called the Back Bay Fens.

During the past year, owing to the reconstruction of Huntington avenue across Stony brook at Rogers avenue, after an examination the brook was found in a condition shown in the accompanying view, and it was decided to line it up with brick work. This shows the manner in which these channels were strengthened, and the remainder of this stone arched construction should be lined with brick work in the same manner.

SURFACE DRAINAGE.

Stony brook is but one of the many natural surface drains existing in the suburban sections of the city. Owing to the building up of this suburban territory, and the lack of legislation which gives control of the brook channels, great difficulty has been met by the department to regulate the disposal of surface water. Many of these brook channels run dry in summer, and in many cases houses have been built upon them. The city can take no action in the matter under the present law unless the public street is in some way damaged by the blocking of the water courses. This



TRENCH FOR STONY-BROOK CONDUIT, COLUMBUS AVENUE.

may not occur until the brook channel is practically obliterated, and even then action is slow and difficult.

The following bill presented by this department through His Honor the Mayor, is under consideration by the Committee on Metropolitan Affairs of the State Legislature :

AN ACT RELATIVE TO SURFACE DRAINAGE IN THE
CITY OF BOSTON.

Be it enacted, etc., as follows :

SECTION 1. The board of street commissioners of the city of Boston may order that any streams or water courses within the limits of said city be diverted from their original channels, or that such channels, or any new channels, be widened, deepened, straightened, paved and covered, or that any part of such streams or water courses be so treated, or that any one or more of such things be done. The mayor of said city shall thereupon, by such officer as he shall direct, cause such orders to be carried out.

SECT. 2. The board of street commissioners of said city, for the purposes aforesaid, may take any lands in fee, easements, rights, and other property that they may deem necessary and desirable therefor ; and to take any property by right of eminent domain, shall sign and cause to be recorded in the registry of deeds for the county of Suffolk a statement containing a description thereof, as certain as is required in a common conveyance of land, and stating that the same is taken for the purposes of this act, and upon such recording the property described in the said description shall be taken for said city. The city of Boston shall pay all damages sustained by any person by the taking of any property under the authority of this act, the same to be agreed upon by said person and said board ; and if they cannot agree thereon, the same shall be determined by a jury in the superior court of said county, on petition of said person or said board, in the same manner as damages are determined for taking of lands and laying out of highways in said city.

SECT. 3. The city of Boston shall annually, by ordinary vote, appropriate money for carrying on said work, to an amount not exceeding two hundred thousand dollars, the money so appropriated to be obtained from the sale of bonds and certificates provided for in section three. The total amount of all such bonds and certificates outstanding shall never exceed by more than five hundred thousand dollars the sinking funds established for the payment of the debt created as aforesaid.

SECT. 4. The treasurer of said city shall, from time to time, on the request of the mayor in writing, issue to the amount or amounts so appropriated, negotiable bonds or certificates of indebtedness, payable in twenty years from their date, and bearing interest at a rate not exceeding four per centum per annum, payable semi-annually and fixed by said treasurer with the approval of the mayor, and shall sell said bonds or certificates, or any part thereof, and credit the proceeds thereof, except premiums, to the aforesaid appropriations. The aforesaid bonds and certificates shall not be considered or reckoned in determining the authorized limit of indebtedness of said city.

SECT. 5. The expenses incurred in doing any work under the authority of this act, including interest on the amount expended at the rate of five per centum per annum from the date of the passage of the order, shall be repaid to said city, and such portion thereof as the commission hereinafter provided for shall deem just and equitable shall be assessed upon the several estates any part of which is situated within the natural water shed of the part of the water-course upon which the work is done in proportion to the benefit received by them therefrom, as determined by said commission, and the balance of such expenses shall be repaid by the other estates, any lands of which are so situated, in proportion to the valuation of such lands.

SECT. 6. The assessment aforesaid upon each estate, and for which the estate shall be liable as a part of the taxes thereon, and for which a lien shall attach to the estate, shall be determined by a board of commissioners consisting of the superintendent of streets, the city engineer and the chairman of the board of street commissioners of said city, in accordance with the proportions in which the said board shall determine that the said estates are increased in value by the aforesaid work, such determination to be subject to appeal therefrom to the superior court to determine its correctness, as provided in the case of appeals from the board of assessors relating to taxes.

SECT. 7. Said superintendent of streets shall give notice of the amount of every such assessment to the owner of the estate liable therefor forthwith after such amount has been determined, and a lien shall attach to the estate for the amount, as a part of the tax of such estate, and said commission shall deliver to the city collector the bills of said assessments for collection.

SECT. 8. The treasurer of said city shall, from the premiums on loans, and assessments, received during any financial year of said city under the provisions of this act, pay the interest on the aforesaid bonds and certificates accruing during that year, and shall pay over any surplus of the moneys so received to the board of commissioners of sinking funds of said city, to be by them credited to the sinking funds established for the debts incurred under this act. If the amount so received in any such year is insufficient to meet the interest aforesaid, said treasurer shall, unless other provision is made by said city, pay the deficiency from the aforesaid appropriation; and unless said city otherwise orders, shall, when any certificates become due, pay from said appropriation any deficiency existing in the sinking funds established to pay the same, and no moneys shall be raised for interest or sinking fund requirements on said bonds and certificates except as herein provided, unless ordered by said city; but any excess of moneys received by the treasurer in any one financial year above the amount required to meet the interest on the aforesaid bonds and certificates and the requirements of the sinking fund established for said debts, shall be credited by said treasurer to the appropriation for carrying on said work.

SECT. 9. The supreme judicial court, and any justice thereof, and the superior court, and any justice thereof, shall have jurisdiction in equity, on the petition of said city, by its attorney, to enforce the provisions of this act and to prevent the unlawful pollution or obstruction of the channel of any natural stream or water course in said city.

SECT. 10. This act shall take effect upon its passage.



NORMANDY STREET SEWER—SHOWING COMPARATIVE SIZES OF HOUSE AND STORM SEWERS.

The passage of this, it is believed, would largely remedy the trouble, and at small expense compared with the enormous amounts of money which would be required if the provisions for maintaining these natural water channels were delayed much longer.

Careful statistics by districts bearing on this subject will be found in the report of the Deputy Superintendent of the Sewer Division.

MAIN DRAINAGE SYSTEM OF BOSTON.

During the past year great attention has been given by the department to the improvement of the present condition and planning for the future development of the main drainage system of Boston. This is the part of the sewer system from Gainsborough street to the pumping station, and includes the pumping station, tunnel, reservoirs, outfall and intercepting sewers. This work was originally constructed by the city of Boston for the purpose of taking care of the sewage of Boston, and by wise foresight was made commodious enough to accommodate the outlying towns and cities that are now under the control of the Metropolitan Sewerage Commission of the Commonwealth of Massachusetts, they discharging into the sewer at the corner of Gainsborough street and Huntington avenue, and another branch into the Dorchester interceptor at Central avenue. The city has been taking this sewage now for six years and has never been able to make definite settlement with the State for the payment of this service. The amount of money that has been received from the State has not been over 50 per cent of the actual value of the work done.

Without consultation with the authorities of the city of Boston, a bill was introduced into the present legislature by the Metropolitan Sewerage Commissioners, providing for the seizure of the main drainage works of the city, the same to be placed under the control of the Metropolitan Sewerage Commissioners. In the opinion of this department, should this act become a law, it would be most unfortunate for the interests of the city, as the present construction to a large degree, and all plans for the future, are made with a view of disposing of house drainage of the city through the main drainage system and the outfall at Moon Island.

The citizens of Boston are directly interested in preventing the pollution of the waters of the harbor, and at a great expense the present system has been designed with a view to discharging the sewage in as unobjectionable a form as

possible. The interest of the inland cities and towns connecting with the Metropolitan system lies in the direction of the smallest cost for the disposal of their sewage, and this matter of harbor pollution, which is of the most vital interest to the residents of Boston, is to them a secondary consideration. That this is no imaginary danger, it is fair to state that the North Metropolitan System, which has been constructed, and is maintained under the control of the State Board of Metropolitan Commissioners, disposing of the sewage of Arlington, Belmont, Cambridge, Chelsea, Everett, Malden, Medford, Melrose, Somerville, Stoneham, Wakefield, Winchester, Winthrop, and Woburn, and as soon as connections can be made, Charlestown and East Boston, has its outlet one hundred yards from the shores of Deer Island, the pumping station being on the island. No storage basins or settling channels are provided, the sewage being pumped directly into the harbor at all stages of the tide.

The system on the south Metropolitan, which has always been controlled and planned under the direction of the city of Boston officials, maintains at the pumping station settling basins, from which the deposits, or so called "Sludge," is removed to barges and carried to sea. The grease deposits, which are very offensive if allowed to pass into the bay, are collected at the east shaft. The sewerage water then passes to Moon Island, where it is held in storage basins until one hour after the beginning of the ebb tide, and is then allowed to pass out to sea.

In addition to this most vital objection to State control of the Boston Sewerage System, it can be stated that with the taking of the main sewers, all regulation of the connecting sewers must necessarily be placed in the hands of the State Commission. In the arguments made by those favoring the bill, no claim was made that under the control of the city of Boston, these works had not been wisely, efficiently, and economically carried on.

It is hoped that representatives of the cities and towns in this so called Charles-river district will in the future avail themselves of the opportunities for information which this department most freely offers them.

In the past, although the subject of seizure by the State was of the most vital interest and importance, no representative of the district outside of Boston conferred with, or asked for information from this department.

Plans for additional pumps and storage basins are being prepared, as the present capacity of the plant is nearly

reached, the pumps handling an average of 75,000,000 gallons per day.

PUMPING STATION.

During the past year extensive repairs have been made on the machinery of the Main Drainage Works at Cow pasture. Both the high and low duty pumps have been overhauled and new laggings put on. These pumps are now in a first-class condition, excepting the valves, which will be overhauled this ensuing year. The old buildings and sheds around the station have been removed, the grounds graded and seeded, making a great improvement in the looks of the station.

Mr. Leavitt, the mechanical engineer, who designed the original pumps of this station, is now designing a sixty-million gallon pump, which will be erected as soon as possible ; in the meantime the pumping capacity of the two high duty pumps will be increased so that their maximum duty will amount to one hundred and fifty million gallons per day.

One of the great troubles experienced at this station is the disposal of filth from the filth hoist. The engineers of this department are now working upon a method of disposing of this by cremation, which will probably be put in operation as soon as possible.

HIGH-LEVEL SEWERS.

I would also recommend that the coming year the city of Boston apply to the Legislature for a certain sum of money to begin what is known as the high-level intercepting sewers. These sewers were recommended by the original commission in 1876 to be constructed so as to afford relief to the pumps. It was also recommended by the Superintendent of Streets in the annual report of 1891, he then making the statement that this was an essential part of the scheme to intercept the sewers of Boston, to carry the sewage from the highlands directly to the outlet by gravity and thus avoid pumping. To do this a system of intercepting sewers was projected in Dorchester, Roxbury and Brighton, to intercept the sewage from all lands above grade 40. The engineers of this department have not made a more extensive study of this scheme for the reason that it was thought that inasmuch as this sewer would have to be located in part in territory outside the city limits, the work would be advocated and carried out by the Metropolitan Sewerage Commission, but as yet

they have done nothing towards furthering this scheme. The city of Boston should, therefore, take hold of the matter, and especially build those portions that lie within the city limits.

In regard to the maintenance appropriation provided for this division, it is entirely inadequate. The past few years miles of sewers have been added, and, as in the Paving Division, the amount of money provided for their care has been decreased.

The maintenance appropriation is used for the purpose of administrative expenses, engineering, cleaning and flushing of sewers, which is something that needs to be done thoroughly every year, the sewer becoming a festering place if not kept clean, generating disease and making a nuisance to the neighborhood, the gases and odors arising from the manholes finding their way into the houses.

The care of some 12,000 catch-basins, if properly attended to, is expensive but necessary. A majority of these basins should be cleaned from three to four times a year. Under present conditions, not over five or six thousand are cleaned annually. Unless cleaned frequently, the catch-basin fills, rises over the trap, and then the basin becomes useless. In other cases the dirt and débris are carried through the trap into the sewer. This clogs the sewer and makes an expense to the department for the cleaning of the sewer.

Maintenance money is also used for the reconstruction of those portions of the sewers that break in or become damaged, and have to be replaced with new sewers.

One hundred thousand dollars of the maintenance appropriation is used in the running of the Pumping Station at Cow Pasture and the main drainage outlets at Moon Island, and the sum necessary increases each year.

There should be legislation passed putting within control of the Street Department the making of all house connections, with the power to assess the cost of so doing; the compelling of stables, factories, and other parties who use a sewer, if necessary, to put in catch-basins or settling tanks for any material and matter which is detrimental to the sewers.

Inspectors for the Street Department should have the right to enter buildings and inspect, in cases of doubt, the quality of sewage that is discharged therefrom, as, for instance, numerous complaints are received of naphtha gas and other detrimental materials discharging into sewers. No entry can be made into the sewer on account of the gas, and yet the department has no authority to enter any factory or building to make proper examination.

The great importance of a proper maintenance of the sewerage system of the city, and the difficulty which has been, and will always be met, of obtaining from the tax levy the amount necessary to properly do the work, has led this department to suggest the passage of an act providing for the adoption of a rental system for sewer service, much on the lines of the Water Department system of charges, and the following bill was drafted, and is now under consideration of the Legislative Committee on Metropolitan Affairs.

AN ACT TO PROVIDE FOR THE CONSTRUCTION OF
SEWERS IN THE CITY OF BOSTON.

Be it enacted, etc., as follows:

SECTION 1. The board of street commissioners of the city of Boston may from time to time, with the approval of the mayor, order the construction of sewers in said city, as they deem that public necessity and convenience require, and may take land therefor in the same manner, and under the same provisions of law, as said board takes land for the laying out of highways, the expenses incurred for such taking, and other expenses of constructing said sewers, to be paid from the proceeds of the loan hereinafter authorized.

SECT. 2. The treasurer of the city of Boston shall from time to time, on the request of the mayor of said city, issue bonds or certificates of indebtedness of the city of Boston to an amount not exceeding five hundred thousand dollars. Said bonds shall not be considered in determining the limit of indebtedness of said city. Said bonds shall be issued for the term of thirty years from their date, shall be registered or coupon, and shall bear interest, payable semi-annually, at such rate, not exceeding four per centum as the treasurer of said city, with the approval of the mayor, shall determine. Said treasurer shall sell said bonds and hold the proceeds thereof in the treasury to meet the expenses aforesaid.

SECT. 3. Said board shall establish just and equitable charges for the use of sewers constructed after the passage of this act, to be paid by every estate abutting on the portion of the street in which such sewers are located, and may change said charges from year to year; said board shall likewise establish just and equitable charges for the use of sewers heretofore constructed, and in determining the amount of such charges shall give all estates for which any assessment has been paid for the construction of a sewer, such credit on account of such payment as in the judgment of said board would be just and equitable, having regard in every case to the amount of assessments paid and the length of time which has elapsed since such payment, and the amount of use that such estate has made of the sewer. The determination of such charges by said board shall be final in all cases. Such charges shall constitute a lien upon the real estate, and the annual amount thereof shall be inserted in the tax bill for such estate, and be collected in the same manner and as a part of the taxes on such estate.

SECT. 4. This act shall take effect upon its passage.

Under this system, it would be possible for sewers to be built when needed, and not as at present, when the city can find available money. The proposed plan seems fairer to each individual and no hardship on property. The subject is worthy of the most careful consideration and study. From the investigation made by this department, the plan seems a wise one.

SANITARY DIVISION.

Appropriation.

\$435,000.

Expenditure.

\$477,241.54.

The past year the collections of this division were as follows:

363,975 loads of house dirt and ashes ;
56,402 loads of house offal.

The matter of collection and disposal of offal in large cities becomes each year a more serious problem. In the city of Boston some action of the government towards a more scientific and sanitary method of its disposition is advisable.

During the last fiscal year about 86 per cent of the offal collections were sold to farmers, the remainder being towed to sea.

The scarcity of convenient dumping places for the disposal of ashes and other dry refuse collected from stores and dwellings is a steadily increasing expense, and will so continue until some arrangement is made for the destruction of the combustible portion, which amounts to some 50 per cent of the total. Much of the dry material collected, though not heavy, is very bulky in its nature, and during the past year it was deemed advisable to increase the capacity of the collection carts one-third. Boards were attached to the sides, flaring outward to prevent the refuse from littering the streets while the load was in transit. Some objection was raised to this plan on the ground that it caused excessive loading, but the erection of platform scales on the corner of Massachusetts avenue and Swett street, near one of the dumps, showed that of a total of 1,000 loads in February, the average weight per load was about 1,600 pounds.

A committee has been appointed by the City Council, consisting of the City Engineer, Chairman of the Board of Health, and the Superintendent of Streets, to investigate the

subject of garbage disposal, and a report will soon be made on this subject to His Honor the Mayor.

During the past year residents have been instructed to report the non-removal of ashes or offal to the police. The complaints are promptly forwarded to this office and receive immediate attention. This system should be encouraged.

The property at Fort Hill Wharf, used as the principal dumping station, is in a dangerously dilapidated condition. Its reconstruction and enlargement so as to accommodate an additional dumping boat and also to remove the present objectionable features is recommended, and an appropriation will be asked from the city government.

It is the purpose of the department to abolish, April 1, the offal station in the Highland-street yard, Roxbury. It has long been objectionable, on account of its proximity to the Marcella-street Home, which provides for the care of several hundred children. This will add to the maintenance expense of the division, as the offal must now be hauled to the South End yard.

A new horse-shoeing plant has been established at the West End yard, giving satisfaction to the department, and making a saving in expense. The greater part of the horse shoeing of the Street Department is done by this division, which also builds and repairs the carts, harnesses, etc., and paints all the street signs.

STREET CLEANING.

Appropriation.	Expenditure.
\$300,000 00	\$310,266 39

Cleaned 12,080 miles of streets.

Removed 112,961 loads of dirt.

This division has been maintained on the old lines, but with an increased force and efficiency.

The work of the push cart patrol service has been extended, and a further extension is recommended.

As in the other divisions, the maintenance appropriation for the work is not sufficient. From year to year the public

expect a higher standard in the cleanliness of the streets, and although the mileage is increased, the amount of the appropriation remains at a standstill. In New York, under the administration of Colonel Waring, the appropriation is comparatively very much greater, and special appropriations for snow work are made. The public in that city, appreciating the great value of clean streets, both from a sanitary and commercial point of view, have been liberal in the matter of expenditure.

Every effort has been made the past year to secure the active assistance of the police in the enforcement of the ordinances forbidding the throwing of paper and other rubbish into the streets; circulars printed in various languages have been distributed and co-operation with the charitable organizations in this work encouraged; but the results have not been very satisfactory. It would seem that this matter might be better controlled by the police. An effort was made through the Police Commissioners to secure the appointment within the department of special officers who might give this matter of unnecessary dirt in the streets their entire attention with some authority to arrest. The Commissioners have decided that this under the law could not be allowed. The remedy, therefore, remains in the hands of the police. A more detailed account of the conditions existing in Boston as regards street cleaning will be found in the report of the Deputy Superintendent in charge of that division.

BRIDGE DIVISION.

Maintenance.

Appropriation.	Expenditure.
\$120,000 00	\$119,963 55

Specials.

Appropriation.	Expenditure.
\$55,543 86	\$27,172 77

This division has charge of 128 bridges. Many of these are old and in poor condition, and it requires the most con-

stant care and activity on the part of the Deputy Superintendent to keep all safe and in condition for travel.

Special appropriations should be passed the coming year for reconstruction work on the following bridges:

Warren avenue	\$5,000 00
Mt. Washington avenue	4,500 00
Congress street	7,000 00
Malden	6,000 00
Columbus avenue	2,000 00
Broadway	10,000 00

The past year in the Bridge Division has been a most active one. The work of the division has been systematized, and the amount of maintenance work on the bridges greatly increased. With the money available, a great deal has been accomplished. New features of the work being the reconstruction of Meridian-street bridge, and the introduction of electric power in place of horse power, and the rebuilding of the Essex-street bridge, Boston side.

I would recommend for this division a larger and more convenient building than the present quarters on Foundry street for an office, storehouse, and work shop. There should also be attached a stable with yard room, which would give ample accommodations for the storage of lumber.

The drawtenders should be given authority as special police officers so that the rules governing the use of the bridges and waterways might be better enforced.

FERRY DIVISION.

Appropriations.

Maintenance.	Expenditure.
\$218,000.	\$217,999 95.
Specials.	Expenditure.
\$742 94.	\$742 94.

For expenditure under the New Ferry Landing, see page 4.

The need of additional and improved ferry facilities for East Boston was recognized by the Legislature, and an act was passed authorizing the city to borrow outside the debt limit the sum of \$500,000 for new ferry landing. This subject has received considerable attention and study by a committee of the City Council, this Department and the East Boston Trade Association. Definite plans of location,

however, have not been decided upon, owing to the difficulty of securing the proper sites for new landings.

The sum of \$30,000 of the special appropriation by a vote of the City Council was made available for the building of certain drops and slips which had long been considered and condemned as unsafe. These would be a part of any new plan of public improvements which ultimately might be adopted. Plans are also being prepared for a new boat, the construction of which will be pushed forward as rapidly as possible.

The best plan presented for the general improvement seems to be for the city to retain its present locations, making additional slips at the South Ferry, rebuilding the head house of the South Ferry, East Boston side, and the taking of the Boston, Revere Beach & Lynn Railroad Company boats and landing for a southern terminus.

From special appropriations there were added this year a permanent awning over sidewalk at North Ferry, East Boston side, an illuminated clock on the head house, North Ferry, Boston side; electric motors at the North Ferry, East Boston and Boston sides, for hauling heavy teams up the drops, thus replacing horse power.

Great satisfaction has been expressed at this latter improvement, by which frequent and tedious delays have been overcome, and in addition a substantial saving in cost has been made.

Two boats have been coppered, and all the boats have been on the ways, thoroughly repainted and overhauled, and various minor, but important as regards public comfort, improvements made in the head houses.

STREET WATERING DIVISION.

Maintenance.	Expenditures.
\$70,000 00	\$71,211 81

The street watering season of 1896 was a most trying one as regards weather, and with the appropriation smaller by many thousands than in past years, the results attained were quite satisfactory. The growth of the city and the extension of the street watering into the early spring and late fall months, make it imperative that a larger appropriation should be made, if the work is to be done in a manner satisfactory to the public. Under the present ordinances, the city undertakes the watering of all macadam roads, paved streets being paid for by the abutters.

PLAN SHOWING LOCATION OF HYDRANTS

FOR

ELECTRIC CAR SPRINKLING

Location of Hydrants shown thus



The work of the division the past season commenced on the 25th of March, and carts were employed in portions of the city proper, as late as the 4th of December. Certain sections of the city are greatly troubled with dust after the freezing season sets in and many complaints are received. No plan of watering is possible, owing to the fact that the water in the stand pipe becomes frozen, or if put on the streets becomes iced, and there seems to be no way of abating the nuisance.

The construction of the subway has been the occasion of much dust and consequent complaints.

As Blue Hill, Huntington, Commonwealth, Brighton and Columbus avenues near completion, it becomes necessary to provide for their care. The present force of carts are given more miles of streets than efficiency should require, and an increase in the expenses must be allowed for the above avenues and other new streets.

It is the intention the coming season to provide for an auxiliary force to be called out on days when the conditions are exceptional, and the regular number of carts inadequate to the demands upon them.

Considerable attention was given the past year to the system of watering, in use in other cities, by means of electric watering cars. This system has been on trial for some years with great success. After formal correspondence and apparently satisfactory arrangements with the West End Street Railway Co., hydrants were constructed in the section of the city, shown on the map herewith annexed, for the purpose of giving the system a thorough trial. From the five hydrants as indicated on the map, a very large territory might be watered at a comparatively small expense. After one day's trial, the West End Railway Company notified the department that under their charter, such service was not allowed, and the experiment was discontinued. A bill has been introduced in the State Legislature this year, providing that street railways may enter into contract to perform such work, and on its passage, this system will be given a fair trial, and, if the results are satisfactory, plans will be made for the extension of the service the coming year. Pending the passage of the bill, the West End Street Railway Co. have refused to consider any proposition. They opposed the department bill, and will probably be able to hold back the so called "permissive bill" until such time as it is too late to make arrangements for this season. This electric sprinkling car service would be of the greatest value on the long macadam roads extending through the suburban dis-

tricts, where proper watering is a matter, under the present system, of too great expense to be undertaken.

PURCHASE OF SUPPLIES.

It has been found impossible for the Superintendent to give more than a supervisory attention to the purchasing of supplies for the department, so that the title of the official charged with this responsibility has been changed from "Purchasing Clerk" to "Purchasing Agent." Requisitions are still signed by the Superintendent, but the detail of the work all falls on the Purchasing Agent. There has been established a central supply department and a stock room, so that the Purchasing Agent may take advantage of the market by purchasing in larger quantities and at advantageous periods. The distribution of supplies can also be handled better in this way, and a closer check kept on the quantities used in the various districts.

HORSES.

The number of horses owned and cared for by the department averages over five hundred, divided by divisions as follows:—

Central Office	4
Bridge Division	10
Ferries	1
Paving Division	112
Sanitary Division	197
Sewer Division	74
Street-Cleaning Division	97
Street-Watering Division	2
Total	497

Up to the present year, there had been no system of record, the only figures being so many horses assigned as might be. A horse was a horse, and there was on file no information as to the date of purchase, cost or description. In March, 1896, an examination was made by the head veterinary, each horse duly described under a number assigned and attached around his neck by a strap with a brass tag thereon. Such information as could be gathered from the stablemen was also added to the record. At the central office is now kept a general book containing by number a description of each horse, assignment, time bought, price paid, transfer, sale, or death; and at each stable is also kept a local book of record. Veterinary bills are now rendered, giving the number of the

patient, cause of visit, etc. This not only puts an end to certain abuses which have existed heretofore in the department, but is in many ways serviceable and business-like. New horses can only be received in the department after examination by the head veterinary and his written approval on a blank provided therefor. Likewise, horses sold or killed must be examined and condemned in due form by the head veterinary.

LABOR.

The labor of the department has this year been put on a permanent basis, under the following plan:

At the beginning of the financial year the number of men in each division who, under the maintenance appropriation, can be safely carried is estimated, and these constitute the permanent men, and they can feel assured of steady work the year through, unless by act or fault of their own they forfeit their place. Such additional men as are needed in the active working season of the department will be rated as reserve or substitute men. These men can depend on employment only so long as the work of the department requires their services. As vacancies occur in the permanent force, promotions will be made from the reserve men.

I believe this will remedy the very unsatisfactory condition which has prevailed up to this time. It is only justice and common sense that the men should know their true position. Under the old organization, when the winter cut-down came, no one was prepared. It may have been common knowledge that the cut was coming, but each individual felt that he was not the one who should go. This not only created suffering and loss to the men suspended, but brought an almost unbearable pressure for reinstatement on the heads of the department.

The new plan should meet with success, and prove an incentive to faithful effort, of the permanent men to hold their places, and of the reserve men to gain promotion.

STABLES AND BUILDINGS.

At the Highland yard, Roxbury, much-needed additional stable room was made by building a runway to, and stalls on, the second floor. These stalls are of the latest sanitary pattern, and at a slight expense the number can now be increased.

The condition of the Street Department buildings was such that, by request, the Superintendent of Public Buildings

made a report to His Honor the Mayor. This report showed a very pressing need of expenditure for putting in repair, and needed extension, of the buildings.

It is very important that there be provided for the department a hospital for new and sick horses. Plans have been drawn and a location selected, and it is hoped that the city government will make available a sufficient appropriation, so that a model hospital may be established. At present the conveniences and apparatus necessary for the proper care of sick horses are wanting, and the consequent loss by death and sickness is very considerable.

The expenditures for improving the Street Department plant have been very considerable. Carts, horses and tools were in poor condition.

Owing to the expiration of the lease of No. 12 Beacon street, the Sanitary, Street Cleaning, Bridge, and Street Watering Divisions removed to the Tremont Building until such time as room would become available to them in the reconstructed Historical Society Building, of which lease has been taken by the city.

It would greatly benefit and advance the administration of the Street Department if all the divisions were gathered under one roof with the Central Office.

TOW BOAT "CORMORANT."

The department tow boat, "Cormorant," built in 1893, has been put in first class condition. She was taken on the ways, caulked, painted inside and out, wear and damage caused by her constant and rough work repaired, machinery and boilers thoroughly overhauled, and a most important improvement made by the addition of steam-steering gear. This latter expense was deemed warranted, from the fact that this boat must make her daily trip to sea in any and all conditions of the weather. With weather heavy, this steam-steering gear is a matter not only of comfort, but of safety.

SMOKE NUISANCE.

Following out the provisions of the statute law relative to the abatement of the smoke nuisance in the city of Boston, the work has been authoritatively assigned by the Mayor to this department. A careful inspection of all boiler plants has been made from time to time, and strict regulations have been enforced in all cases. Especial attention has been given to the setting of new boilers in order to prevent the entire disregard to the smoke question which seems to have been customary.

No permit is now given by the Inspection of Buildings Department unless the applicant has first filed satisfactory evidence with this department that reasonable precautions have been taken to reduce smoke to a minimum.

During 1896, 331 boiler applications have been received and disposed of. Careful and detailed observations have been made in many cases, both with and without the knowledge of the owners, and from the tables the percentage of total smoke and clear stack have been computed. When complaints have been received, they have been immediately followed up until the source of the trouble has been located and remedied. Eight prominent buildings during the year have equipped their plant with good smoke preventers. Numerous other plants have been willing to use hard coal or a mixture of screenings and soft coal with good results.

Twenty-six special reports have been made by the smoke inspector on various alleged violations of the smoke law, requiring in some cases extended observations. Forty-four observations have been taken, lasting from five to nine hours each, while 285 short observations have been taken and cautionary notices issued where they seemed to have been required.

In general, the citizens of this community have shown a commendable desire to operate their various plants, not only within the law, but consistent with the just requirements of a congested business district.

BOSTON AND CAMBRIDGE BRIDGES.

It is but fair to state that the care and responsibility has been chiefly borne by my associate Commissioner, Mr. William J. Marvin, of Cambridge, and I desire to express my appreciation of his work.

The condition of these bridges is such that only by the most careful management can the work of keeping safe be done at an amount near the appropriation, which this year, on the part of the city of Boston, was \$13,000. The actual cost to each city was \$13,835.54.

A new bridge to Cambridge, to replace the West Boston Bridge, should be planned for at once. The present structure is entirely inadequate to the demands of travel, and the condition is such that it cannot possibly be made to do duty but a short time longer.

CANAL OR CRAIGIE'S BRIDGE.

The bulkhead at the end of the bridge at the draw has been rebuilt with oak piles and 6-inch hard pine plank. The end of the down-stream draw pier has been strengthened by driving additional oak piles, and planking with 6-inch hard pine plank. The roadway pavement has been repaired and the sheathing of the draw kept in repair. The ordinary small repairs have been made by the drawtender and his assistants.

The bridge is swept once a week, always after midnight, and the roadway is watered with salt water three times daily, when necessary to lay the dust.

The sidewalks on the southerly side of the bridge on the Cambridge end, and part of the northerly sidewalk are in poor condition and will require rebuilding next year. The drawtender's house and the power house on the draw pier should be painted.

HARVARD BRIDGE.

Harvard bridge is in good condition. The principal repairs made during the year are as follows: The wearing plank on the surface of the roadway has been entirely renewed, without interrupting public travel. Experience has shown that the two-inch spruce plank making the wearing surface of the roadway will have to be renewed every year.

The ironwork underneath the surface of the bridge has been cleaned from rust and painted. Paint stock was bought at wholesale prices, and the work done by the day.

The asphalt sidewalks on the bridge were in bad condition. They were originally laid by two asphalt paving companies, each of which gave bonds in the sum of one thousand dollars conditioned upon maintaining the work in good condition for five years. One-half of the sidewalk on the bridge laid by the Barber Asphalt Paving Company has been entirely renewed by them without cost to the two cities, and the remaining sidewalk will be made good by the guarantors next year.

The avenue connecting the bridge with Boston has been paved at the request of the Commissioners, and the part of the avenue in Cambridge next the bridge should also be paved to prevent cracked stone and dirt from being carried on to the bridge by teams.

The drawtender's house, the iron fences, and the iron work outside the rail will require painting next year.

The smaller repairs are made by the drawtender and assistants. They also clean the surface of the bridge weekly, and keep the electric light globes clean and in order.

PRISON-POINT BRIDGE.

The abolition of the grade crossing of the Boston & Maine Railroad, which will soon be made, will require an entirely new bridge at this point. The old bridge is in bad condition, as only such repairs as are necessary to keep it safe have been made.

The smaller repairs have been made by the drawtender. The drawtender's house will have to be painted next year.

WEST-BOSTON BRIDGE.

This bridge is entirely worn out, and only constant inspection and repairs prevent serious accidents. During the year the piles supporting the bridge settled in places as much as five inches under the extreme loads carried. To stop this alarming settlement repairs were made on small sections at a time without interrupting travel. Additional piles were driven through small openings made in the bridge, and 62 oak piles, 30 spruce piles, 41 new stringers and 12 new girder caps were used.

The bridge for a long time has been too narrow to accommodate the travel which is constantly increasing. It is in the line of the heaviest travel from Boston to Cambridge and the country beyond, and the Commissioners recommend the immediate construction of a substantial modern bridge.

The curb was reset and brick sidewalks laid in front of the estates of Rawson & Morrison and G. Damon. The roadway on the draw has been resheathed when necessary.

The bridge has been swept once a week, always after midnight, and watered three times daily with salt water in dusty weather. The sweeping of the piers and draw, the cleaning of snow from draw-piers and sidewalks and the small ordinary repairs have been done by the drawtender and assistants.

The house on the draw-pier will need painting and other repairs next year.

IN GENERAL.

The usual statement is appended, showing the number of draw openings and the number of vessels which passed through, also table showing the traffic over bridge on April 18, 1896.

The amount of revenue received for rents, dockage, repairs to West End Street Railway Company's tracks, etc., during the year has been \$1,424.02; one-half, \$712.01 has been paid to each city.

Statement showing Traffic over Bridges.

DATE. 1896.	Bridge.	Teams.	Horses.	Pedestrians.	Bicycles.	Electric Cars.	Car Passen- gers.
April 18, 6 A.M. to 7 P.M.	Canal	7,284	10,926	14,913	202	563	12,695
	Harvard	3,801	4,851	7,998	3,352	478	13,750
	Prison Point.....	1,975	2,916	3,962	95		
	West Boston... ..	4,035	5,466	9,902	246	1,046	20,231
	Totals	17,095	24,159	36,775	3,895	2,087	46,676

The following is a statement of the payments made by the city of Boston on account of the Canal, Harvard, Prison Point and West Boston Bridges, from Feb. 1, 1896 to Jan. 31, 1897.

Amount of appropriation for financial year of 1896-97.	\$13,000 00
Transferred from Street Department, Pav- ing Division	835 54
Amount expended to Jan. 31, 1897	\$13,835 54

Classification of Expenses.

Feb. 1, 1896, to Jan. 31, 1897.	Canal or Craigie's Bridge.	Harvard Bridge.	Prison Point Bridge.	West Boston Bridge.	General Account.	Totals.
Salaries, draw-tenders and others	\$1,307 50	\$1,275 00	\$273 94	\$1,250 00	\$250 00	\$4,356 44
General repairs.....	505 68	420 28	140 49	1,255 21	.....	2,321 66
Lumber.....	328 73	1,103 99	130 54	577 31	.....	2,140 57
Electric lighting	281 27	1,141 67	.....	506 27	.....	1,929 21
Inspection	162 50	95 00	47 50	242 50	.....	547 50
Cleaning Bridges.....	197 12	54 20	.....	278 38	.....	529 70
Paint and painting.....	.....	375 56	.....	1 06	.....	376 62
Ironwork	41 00	153 37	31 65	129 48	.....	355 50
Watering roadways	175 00	.....	.....	175 00	.....	350 00
Fuel.....	137 55	13 95	.....	78 61	.....	230 11
Tools and hardware.....	28 63	73 85	25 98	21 58	.....	150 04
Electric current.....	.....	150 00	.....	.....	.....	150 00
Sundry small supplies....	48 93	56 13	.....	37 06	.....	142 12
Paving .....	.....	.....	.....	104 96	.....	104 96
Travelling expenses, etc..	.....	.....	.....	.....	62 30	62 30
Water rates.....	16 00	.....	5 50	11 00	.....	32 50
Printing and stationery..	.....	.....	.....	.....	28 81	28 81
Electric light repairs.....	.....	27 50	.....	.....	.....	27 50
Totals	\$3,229 91	\$4,940 50	\$655 60	\$4,668 42	\$341 11	\$13,835 54

Number of times the draws in Canal, Harvard, Prison Point and West Boston Bridges have been opened and the number of Vessels which have passed through for the year, beginning Feb. 1, 1896 and ending Jan. 31, 1897.

DATE.	CANAL OR CRAIGIE'S.		HARVARD.		PRISON POINT.		WEST BOSTON.	
	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.
Feb. 1, 1896, to Jan. 31, 1897.								
February, 1896.....	125	175	22	32	21	28	27	44
March.....	149	201	20	38	15	22	31	66
April.....	289	320	50	70	39	50	70	107
May.....	397	504	124	187	74	94	155	239
June.....	384	448	88	123	32	41	113	161
July.....	329	421	107	158	9	13	154	257
August.....	433	731	127	194	52	65	285	644
September....	323	465	85	131	41	53	176	354
October.....	229	325	65	98	42	57	121	214
November.....	276	346	115	161	36	54	110	175
December.....	281	362	144	155	37	51	109	171
January, 1897.....	186	237	36	38	15	22	33	51
Totals.....	3,401	4,535	983	1,385	413	550	1,384	2,483

EMPLOYMENT OF LABOR.

The following statement from the Civil Service Clerk shows in detail the classification of labor of the whole department tabulated by divisions which is self explanatory :

During the year ending Jan. 31, 1897, 82 applications were made upon the Civil Service Commission for 226 men of various grades, and 330 names were submitted by them, of which number 250 were given employment in the several divisions ; of the 250 people employed, 6 were provisional appointments (Civil Service Rule 36), 5 were promotions, and 32 were veterans. During the year authority was granted to reinstate 49 former employees (Civil Service Rule 60), 48 men were transferred from various city departments to this department, to wit: 15 from Water Department, 9 from Transit Commission, 9 from Improved Sewerage, 8 from

Public Grounds, 4 from Parks, and one each from Mt. Hope, Health, and City Engineer's Department, making the total of 347 persons employed during the year. Notices of 372 discharges from the department rolls were forwarded to the Commission, and at their suggestion the names of persons who had not worked for a year or more for the Street Department were dropped from the rolls, and their discharges are included in the figure quoted above. The department records show that there are 2,909 persons eligible for employment in the various divisions, and of that number 2,708 were upon the pay rolls for the week ending Jan. 28, 1897. The following table shows the classification of all the employees of the Street Department on the pay roll of Jan. 28, 1897.

Grade and Number of Employees.

TITLE.	DIVISIONS.								Tot. l.
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Street Watering.	
Superintendent	1	.....	.....	.....	.....	.....	.....	.....	1
Deputies .....	.....	1	1	1	1	1	1	1	7
Executive engineer	1	.....	.....	.....	.....	.....	.....	.....	1
Purchasing agent	1	.....	.....	.....	.....	.....	.....	.....	1
Clerks.....	2	7	10	3	1	2	1	.....	26
Foremen .....	.....	10	10	6	8	1	1	.....	36
Sub-foremen. ....	.....	25	14	13	16	.....	2	.....	70
Superintendent of inspectors (P. O.).....	.....	1	.....	.....	.....	.....	.....	.....	1
Inspectors .....	.....	20	36	10	.....	.....	.....	.....	66
Superintendent of street-patrol .....	.....	.....	.....	.....	1	.....	.....	.....	1
Civil engineers .....	.....	1	7	.....	.....	.....	.....	.....	8
Draughtsmen .....	.....	.....	16	.....	.....	.....	.....	.....	16
Transitmen .....	.....	7	9	.....	.....	.....	.....	.....	16
Levelmen .....	.....	3	14	.....	.....	.....	.....	.....	17
Rodmen.....	.....	5	52	.....	.....	.....	.....	.....	57
Aid or tallymen.....	.....	1	.....	7	1	.....	.....	.....	9
Blacksmith and assistants...	.....	19	2	7	4	2	.....	.....	34
Boiler-makers .....	.....	.....	.....	.....	.....	2	.....	.....	2
Bracers .....	.....	.....	18	.....	.....	.....	.....	.....	18
<i>Carried forward</i>	5	100	189	47	32	8	5	1	387

Grade and Number of Employees. — *Continued.*

TITLE.	DIVISIONS.								Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Street Watering.	
<i>Brought forward</i>	5	100	189	47	32	8	5	1	387
Brick-slingers			2						2
Boys	1	11	17		6		18	1	54
Broom-makers					5				5
Bridge-cleaners							2		2
Captains				1		11			12
Carpenters and assistants....		19	9		3	5	11		47
Caulkers							1		1
Cement tester			1						1
Coal-passers			4						4
Chief of draws and bridges..							1		1
Chief drawtender							1		1
Drawtenders							20		20
Assistant drawtenders							34		34
Deck-hands			2			25			27
Dumpers.....				19	5				24
Chief engineer			1						1
Engineers and assistants....		15	25			11	18		69
Feeders				5					5
Firemen			4			20			24
Flushers			3						3
Gatemen			4			16			20
Harness-makers and assist- ants		3		4					7
Helpers				179	62				241
Horseshoers				6					6
Hostlers			5						5
Ironworker			1						1
Janitors			1			9			10
Janitresses						5			5
Laborers		482	317			7			806
Lamplighters						2			2
Ledgemen			93						93
Machinists			3			5			8
<i>Carried forward</i>	6	630	681	261	113	124	111	2	1,928

Grade and Number of Employees. — *Concluded.*

TITLE.	DIVISIONS.								Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Street Watering.	
<i>Brought forward</i>	6	630	681	261	113	124	111	2	1,928
Masons (stone and brick).....			32						32
Masons' tenders.....			6						6
Mate.....			1						1
Measurers.....		2							2
Messengers.....	1	10	6	7	3	2	6	1	36
Oilers.....			7			4			11
Patch pavers and assistants..		32							32
Painters.....				7		1	5		13
Pilots.....			1			11			12
Pipe layers.....			2						2
Powdermen.....		4							4
Riggers.....			1						1
Scowmen.....				6					6
Steam drillers.....		7	2						9
Stenographers.....	1								1
Stonecutters.....		17	3						20
Storekeepers.....			1			1			2
Sweepers.....					130				130
Stablemen.....		11	6	6	4				27
Teamsters.....		74	24	173	65		2		338
Tollmen.....						12			12
Watchmen..		13	16	5	1	4	3		42
Weighers.....		5							5
Wharfingers.....		3	1						4
Wheelwrights.....				3					3
Yardmen.....		7	2	18	2				29
Totals.....	8	815	792	486	318	159	127	3	2,708

The report of the Executive Engineer, which follows, alludes to the work of the Central Office, and includes a statement of the general finances of the department, with appropriations and expenditure from loans for special work, statistics of paved streets, together with a valuable table of prices that obtained upon a contract basis.

Attention is also called to the general work of the divisions, under the special division headings following.

SUMMARY OF WORK DONE.

The principal features of the work of the year may be summarized as follows :

BRIDGE DIVISION.

Overhauled and repaired deck, sheathing, and machinery of the following tide-water bridges: Broadway, over Fort Point channel, Congress street, and Warren, and reconstructed the Essex-street bridge, between Brighton and Cambridge. Of the inland bridges, the most important repairs were made to the Albany-street bridge, Berkeley, over the Providence and Albany railroads, and Dartmouth bridge, while special work was done on Chelsea bridge, north, in rebuilding the draw, and general repairs and additions to racks, shafts, pinions, gears, etc., preparatory to use of electric motor for power.

Meridian-street bridge required a reconstruction of draw, renewing spur-shores, girder caps, fender guard, new deck, and the painting of both bridge and fence.

A new bridge was built over Geneva avenue by the New York, New Haven & Hartford Railroad Co., according to plans submitted and approved by this department, at a cost to the city of \$14,026.58.

Saratoga-street bridge was repaired where rendered unsafe by the action of ice and tide. Cottage-Farm bridge at Commonwealth avenue was completed, the roadway being finished with asphalt; a slight portion of sidewalk is yet to be topped.

A new public landing was built at Jeffries Point.

FERRY DIVISION.

The extra boat, so called, was run throughout the year. Two new ferry drops were built; repaired the middle pier at the Boston landing of the South Ferry; supplied the ferry drops with special hoisting motor operated by electricity, used for hauling heavy teams up the drop; and supplied an illuminated clock for the North Ferry head-house, Boston side, beside doing an unusual amount of painting and overhauling, the details being given in the Deputy Superintendent's report.

PAVING DIVISION.

Established two new stone crushing plants.

Paved with granite blocks and regulated some 45 streets, six of which were laid on a concrete base, covering 108,952 square yards of block paving in roadway, and 69,800 square yards of gutter paving. Over 2,000,000 new paving blocks were used during the season.

Paved sixteen short streets with asphalt, and two long stretches of boulevards, involving 24,782 square yards of Trinidad lake asphalt and 26,717 square yards of Sicilian rock asphalt, all on concrete foundation, and increasing the asphalt surface by 51,500 square yards.

Furnishing and setting 101,550 linear feet of new edgestone as against about 50,000 feet for an ordinary year, and making a total length of edgestone set and reset of 227,991 linear feet.

Laying 13,647 square yards of artificial stone sidewalks.

Laying and relaying 117,492 square yards of brick paving.

Construction has been in progress on twenty-five streets laid out by the Board of Street Commissioners under chapter 323 of the Acts of 1891, and amendments relating thereto, beside the general construction of the four large boulevards mentioned elsewhere. Fifteen of these streets have been finished.

In connection with the work of the Paving Division the West End Street Railway Co. have paved over forty miles of track, over twenty-four miles of which required new blocks, laid under city inspection.

SEWER DIVISION.—PUMPING STATION.

Built over twenty-nine miles of sewers, 346 catch-basins and drop inlets, repaired 381 catch-basins, and cleaned 6,041 catch-basins, removing therefrom about 20,550 cubic yards filthy material. Also built 474 linear feet of culverts. Six thousand four hundred and thirty-one cubic yards of sludge were received at the Improved Sewerage Pumping Station. There are now 444.47 miles of sewers in charge of this division.

SANITARY DIVISION.

Collected and removed 363,975 loads of house dirt and ashes, and 56,402 loads of house offal.

STREET CLEANING DIVISION.

Cleaned 12,080 miles of streets, removing 112,961 loads of dirt.

STREET WATERING DIVISION.

Sprinkled 347.16 miles of streets during the season at a less cost than for any year since 1891.

In addition to this report, nine appendices are herewith submitted, in which will be found the report of the several Deputy Superintendents and Smoke Inspector, showing the expenditure of each division in detail; also the report of the City Engineer relative to work assigned to him by this department for either supervision or estimate. They are as follows:

- Appendix A — Bridge Division.
- “ B — Ferry Division.
- “ C — Paving Division.
- “ D — Sanitary Division.
- “ E — Sewer Division.
- “ F — Street-Cleaning Division.
- “ G — Street-Watering Division.
- “ H — Street Construction, etc., assigned to the
City Engineer.
- “ I — Smoke Inspector.
- “ J — Former Superintendents and Document
Numbers.

Respectfully submitted,

BENJAMIN W. WELLS,

Superintendent of Streets.

REPORT OF THE EXECUTIVE ENGINEER.

BOSTON, Feb. 1, 1897.

MR. BENJ. W. WELLS, *Superintendent of Streets*:

DEAR SIR: I herewith respectfully submit the annual report of the operations and expenses of the Street Department, the same being a full statement thereof for the year 1896.

Yours respectfully,

HENRY B. WOOD,

Executive Engineer.

CENTRAL OFFICE DIVISION.

EXPENSES OF THE CENTRAL OFFICE.

For the current expenses of the Central Office the City Council appropriated the sum of nineteen thousand dollars (\$19,000), which was expended as follows:

Salaries	\$17,045 91
General office expenditures . . .	1,735 94
Total	\$18,781 85

leaving a balance of two hundred eighteen dollars and fifteen cents (\$218.15), which was transferred to the Street Cleaning Division.

FINANCIAL STATEMENT OF THE STREET DEPARTMENT APPROPRIATION.

From Feb. 1, 1896, to Jan. 31, 1897.

MAINTENANCE.

APPROPRIATION.		Appropriations and transfers during 1896.	Revenue.	Total Credits.	Expenditures for the 12 months ending Jan. 31, 1897.	Balances Jan. 31, 1897.
Street Department:						
Central Office.....		\$18,781 85		1 \$18,781 85	\$18,781 85	
Bridge Division.....		119,063 13		2 119,063 55	119,063 55	
Boston and Cambridge Bridges.....		13,835 54	\$870 42	3 13,835 54	13,835 54	
Ferry Division.....		218,353 10		4 218,353 10	218,353 10	
Paving Division.....		626,202 61	2,472 85	5 628,675 46	628,675 46	
Sanitary Division.....		477,241 54		6 477,241 54	477,241 54	
Sewer Division.....		276,615 25		7 276,615 25	276,615 25	
Street Cleaning Division.....		310,266 39		8 310,266 39	310,266 39	
Street Watering Division.....		71,211 81		9 71,211 81	71,211 81	
Totals.....		\$2,131,001 22	\$83,343 27	\$2,134,944 49	\$2,134,944 49	
1 Appropriation 1896-97.....		\$19,000 00		6 Appropriation 1896-97.....		\$435,000 00
Transferred to Street Cleaning Division.....		218 15		Transferred from Soldiers' Relief		\$11,000 00
		\$18,781 85		" Police Department.....		29,330 39
		\$120,000 00		" Surplus Revenue 1896-97.....		1,911 15
2 Appropriation 1896-97.....		\$120,870 42				42,241 54
Work done and paid for by Boston and Albany Railroad Co.....		870 42				\$477,241 54
Transferred to Street Cleaning Division.....		906 87				\$280,000 00
3 Appropriation 1896-97.....		\$119,963 55		7 Appropriation 1896-97.....		\$1,211 81
Transferred from Paving Division.....		\$13,000 00		Transferred to Street Watering Division.....		2,172 94
		835 54		" Cleaning		
		\$13,835 54				3,384 75
4 Appropriation 1896-97.....		\$218,000 00		8 Appropriation 1896-97.....		\$276,615 25
Transferred from "Awning," North Ferry.....		\$257 06		Transferred from Central Office.....		\$300,000 00
" South Drop, South Ferry, Boston side, 96 09				" Bridge Division.....		\$218 15
Transferred to Street Cleaning Division.....		353 15		" Ferry ".....		906 87
		\$218,353 15		" Paving ".....		2,961 85
		0.05		" Sewer ".....		2,172 94
		218,353 10		" Surplus Revenue.....		4,006 53
5 Appropriation 1896-97.....		\$630,000 00				10,266 39
Repaying for Corporations		2,472 85		9 Appropriation 1896-97.....		\$310,266 39
Transferred to Boston and Cambridge Bridges.....		\$632,472 85		Transferred from Sewer Division.....		\$70,000 00
" Street Cleaning Division.....		3,797 39				1,211 81
		\$628,675 46				\$71,211 81

Comparative Table showing Cost of Maintenance of the Street Department since Organization.

DIVISION.	1891-92. (13 months.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.
Central Office	¹ \$16,050 00	\$18,793 60	\$20,805 96	\$20,884 29	\$18,315 79	\$18,781 85
Bridge	123,010 63	128,954 37	133,159 24	130,137 21	119,716 00	119,963 55
Boston and Cambridge Bridges	11,866 42	11,079 76	11,493 16	11,986 85	12,537 33	13,835 54
Ferry .....	.....	.....	.....	.....	209,911 30	218,353 10
Paving	872,936 40	915,460 99	745,681 52	715,608 62	683,899 42	628,675 46
Sanitary	² 590,342 24	469,370 74	481,300 63	467,459 02	432,778 52	477,241 54
Sewer	446,222 69	560,608 19	373,517 38	304,133 40	280,596 07	276,615 25
Street Cleaning	³ 215,929 33	288,320 42	308,707 30	301,477 44	305,998 50	310,266 39
Street Watering	104,263 62	94,507 80	99,430 16	87,169 08	76,424 70	71,211 81
Totals	\$2,299,621 33	\$2,487,095 87	\$2,174,095 35	\$2,038,855 91	⁴ \$2,140,177 63	\$2,134,944 49

¹ Nine months only.² Includes street cleaning for four months to May 1, 1891.³ Nine months only, but includes expenditure for Street Police, May 1 to July 10, 1891 — \$464.41.⁴ For comparison, deduct Ferry Division, not before shown, making total — \$1,930,266.33.

Bridge Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Charles-river Bridge, draw.....	\$2,924 16	\$2,517 12	\$407 04
Chelsea Bridge, North, rebuilding, etc..	13,261 64	8,231 10	5,030 54
Chelsea-street Bridge, rebuilding, etc...	See note.		
Essex-street Bridge, reconstruction....	6,500 00	4,969 43	1,530 57
Gold-street Bridge.....	18,597 58	28 25	18,569 33
Meridian-street Bridge, reconstructing,	14,260 48	11,426 87	2,833 61
Totals.....	\$55,543 86	\$27,172 77	\$28,371 09

NOTE. — The balance on hand, \$4,260.48, Feb. 1, 1896, was transferred to the appropriation for Meridian-street Bridge.

Ferry Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Awning, North Ferry, East Boston side,	\$742 94	\$742 94	
New Ferry Landing (Chap. 435, Acts of 1895).....	500,000 00	21,961 61	\$478,038 39
South Drop, South Ferry, Boston side..	See note.		
Totals.....	\$500,742 94	\$22,704 55	\$478,038 39

NOTE. — The balance on hand, Feb. 1, 1896, \$96.09, was transferred to the appropriation for Ferry Division "Clock for Head-house."

Paving Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Adams st., Ward 24.....	\$7,500 00	.....	\$7,500 00
Adelaide st., Ward 22.....	4,000 00	.....	4,000 00
Arklow st.....	635 20	.....	635 20
Bennington and Walley sts.....	11,924 90	\$11,924 90	
Brooks st., Ward 25.....	25,000 00	.....	25,000 00
Bunker Hill st.....	366 19	.....	366 19
Carleton st., Ward 10.....	8,000 00	.....	8,000 00
Centre st., Dorchester.....	8,000 00	867 10	7,132 90
<i>Carried forward</i>	\$65,426 29	\$12,792 00	\$52,634 29

Paving Division Specials.—*Concluded.*

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
<i>Brought forward</i>	\$65,426 29	\$12,792 00	\$52,634 29
Centre st., Roxbury, from Hog Bridge to Day st.....	5,000 00	.....	5,000 00
Columbus ave., Asphalt, from Massachusetts ave. to Northampton st.....	7,100 00	7,100 00	
Commonwealth ave., Construction.....	137,227 88	130,471 33	6,756 55
Congress and L sts.....	10,566 78	7,608 17	2,958 61
Eleanor and Ridgement sts., Ward 25..	716 36	110 85	605 51
Elmira st., Ward 25.....	1,000 00	1,000 00	
Franklin st., Ward 25.....	1,800 00	99 48	1,700 52
Freeport st., Ward 24.....	7,500 00	.....	7,500 00
Hanover st., Charter to Tileston st.....	3,827 66	3,827 66	
Leicester st., Ward 25.....	2,000 00	2,000 00	
McLellan st., Old Road to White st....	5,756 40	4,056 84	1,699 56
Orleans st., Maverick to Gove st.....	2,578 80	2,578 80	
Quincy st., Ward 4.....	14,138 00	8,419 18	5,718 82
Rand st., Roxbury.....	3,600 00	.....	3,600 00
Saratoga st., Filling.....	2,022 20	2,022 20	
State st., Paving.....	18,000 00	.....	18,000 00
Sydney st., Ward 20... ..	7,500 00	436 40	7,063 60
Talbot ave., Dorchester ave. to Washington st.....	2,171 62	2,171 62	
Tremont st., Lenox st. to Roxbury Crossing.....	25,000 00	9,501 26	15,498 74
Wall st., Paving.....	5,000 00	5,000 00	
Washington st., Elliot to Dover st.....	35,000 00	.....	35,000 00
Totals.....	\$362,931 99	\$199,195 79	\$163,736 20

Street Improvements.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Street Improvements, Old Wards 1 and 2....	\$16,296 95	\$16,296 95	
Street Improvements, Old Ward 3.....	13,006 81	13,006 81	
Street Improvements, Old Ward 4.....	1,643 16	1,643 16	
Street Improvements, Old Ward 5.....	5,125 85	5,125 85	
Street Improvements, Old Wards 9 and 10...	5,850 24	5,850 24	
<i>Carried forward</i>	\$41,923 01	\$41,923 01	

Street Improvements.—*Concluded.*

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
<i>Brought forward</i>	\$41,923 01	\$41,923 01	
Street Improvements, Old Ward 12.....	22,509 32	¹ 22,509 32	
Street Improvements, Old Ward 13....	20,937 95	20,937 95	
Street Improvements, Old Wards 14 and 15..	27,320 87	27,320 87	
Street Improvements, Old Ward 15.....	891 39	891 39	
Street Improvements, Old Ward 16.....	1,092 13	1,092 13	
Street Improvements, Old Wards 17 and 18..	5,086 99	5,086 99	
Street Improvements, Old Wards 19 and 22..	15,857 22	15,857 22	
Street Improvements, Old Ward 20.....	12,889 36	12,889 36	
Street Improvements, Old Ward 24.....	7,530 60	7,530 60	
Street Improvements, Old Ward 25.....	4,409 11	4,409 11	
Street Improvements, New Ward 1.....	25,000 00	24,851 84	\$148 16
Street Improvements, New Ward 2.....	29,621 20	29,283 92	337 28
Street Improvements, New Ward 3.....	25,000 00	7,227 61	17,772 39
Street Improvements, New Ward 4.....	25,000 00	11,530 61	13,469 39
Street Improvements, New Ward 5.....	25,000 00	24,467 48	532 52
Street Improvements, New Ward 6.....	25,860 86	24,698 36	1,162 50
Street Improvements, New Ward 7.....	28,069 85	25,000 00	3,069 85
Street Improvements, New Ward 8.....	27,670 13	24,280 84	3,389 29
Street Improvements, New Ward 9.....	38,525 95	23,916 01	14,609 94
Street Improvements, New Ward 10.....	25,000 00	22,924 99	2,075 01
Street Improvements, New Ward 11.....	25,000 00	23,275 63	1,724 37
Street Improvements, New Ward 12.....	25,000 00	19,882 77	5,117 23
Street Improvements, New Ward 13.....	25,000 00	14,882 15	10,117 85
Street Improvements, New Ward 14.....	25,000 00	10,472 11	14,527 89
Street Improvements, New Ward 15.....	25,000 00	10,153 64	14,846 36
Street Improvements, New Ward 16.....	25,000 00	15,267 17	9,732 83
Street Improvements, New Ward 17.....	25,000 00	25,000 00	
Street Improvements, New Ward 18.....	25,000 00	18,317 52	6,682 48
Street Improvements, New Ward 19.....	25,000 00	9,421 82	15,578 18
Street Improvements, New Ward 20.....	25,000 00	25,000 00	
Street Improvements, New Ward 21.....	25,000 00	20,426 59	4,573 41
Street Improvements, New Ward 22.....	25,000 00	23,308 63	1,691 37
Street Improvements, New Ward 23.....	50,000 00	50,000 00	
Street Improvements, New Ward 24.....	25,000 00	25,000 00	
Street Improvements, New Ward 25.....	25,000 00	8,862 47	16,137 53
Totals.....	\$835,195 94	\$677,900 11	\$157,295 83

¹ Draft of \$1,444.15 retained by Auditor.

Sewer Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896 to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Back Bay Outlet.....	\$5,000 00		\$5,000 00
Canal Street Relief Sewer	25,000 00	\$7,537 97	17,462 03
Connections with Metropolitan Sewer, Charlestown.....	23,000 00	2,369 64	20,636 36
Connections with Metropolitan Sewer, East Boston.....	25,000 00	5,874 33	19,125 67
D-Street Outlet and Relief Sewer, Dorchester ave., South Boston.....	23,000 00		23,000 00
Forest-avenue Section, Temporary Sewer Outlet, etc.....	23,116 65	21,801 71	1,314 94
Pumping Station Improvements	10,000 00	5,017 75	4,982 25
Sewer Outlet, Porter st.....	16,000 00		16,000 00
Sewer Outlet, Low Level, W. Roxbury Dist..	7,824 64	4,643 57	3,181 07
Sewers, South Boston.....	877 51	82 80	794 71
Sewer Outlets, South Boston.....	35,000 00	18,895 08	16,104 92
Shamrock-street Outlet.	8,000 00	958 05	7,041 95
Storm Sewer, Cornwall and Washington sts., Ward 22.....	3,500 00	2,903 52	596 48
Stony Brook Damages.....	25 00		25 00
Stony Brook Improvement.....	500,000 00	98,150 74	401,849 26
South Union Station (Chap. 516, Acts of 1896.)		1,847 02	
Totals	\$705,343 80	\$170,082 18	\$537,114 64

Laying Out and Construction of Highways.*Expenditures.*

Sewer construction	\$435,538 20
Street construction	¹ 174,961 88
Totals	<u>\$610,500 08</u>

¹ Drafts of \$380.00 retained by Auditor.

Blue Hill and other Avenues.

Expenditures.

OBJECT OF APPROPRIATION.	Street Construction.	Sewer Construction.	Totals.
Blue Hill ave.....	¹ \$170,319 56	\$63,714 00	\$234,033 56
Columbus ave.....	205,425 15	48,481 68	253,906 83
Commonwealth ave.....	² 49,628 73	15,467 49	65,096 22
Huntington ave.....	³ 277,745 49	16,096 72	293,842 21
Totals.....	\$703,118 93	\$143,759 89	\$846,878 82

¹ Draft of \$800.00 retained by Auditor.² Draft of \$4,051.99 retained by Auditor.³ Draft of \$919.19 retained by Auditor.Recapitulation of Expenditures for the Twelve Months ending
Jan. 31, 1897.

OBJECT OF APPROPRIATION.	Current Expenses for the twelve months ending Jan. 31, 1897.	Special Appropriations.	Totals.
Street Department:			
Central Office	\$18,781 85		\$18,781 85
Bridge Division.....	119,963 55	\$27,172 77	147,136 32
Boston and Cambridge Bridges	13,835 54		13,835 54
Ferry Division.....	218,353 10	22,704 55	241,057 65
Paving Division	628,675 46	199,195 79	827,871 25
Sanitary Division.....	477,241 54		^a 477,241 54
Sewer Division	276,615 25	170,082 18	446,697 43
Street-Cleaning Division.....	310,266 39		310,266 39
Street Watering Division.....	71,211 81		71,211 81
Street Improvements		677,900 11	677,900 11
Laying Out and Construction of Highways.....		610,500 08	610,500 08
Blue Hill and other avenues		846,878 82	846,878 82
Totals.....	\$2,134,944 49	\$2,554,434 30	\$4,689,378 79

**Street Building Under Chap. 323 of the Acts of 1891, or
Special Acts or Amendments thereto.**

STREET.	Paving.	Sewer.	Totals.
Abbotsford st.....	\$4,777 42	\$179 85	\$4,957 27
Audubon Road.....	9,299 55	631 13	9,930 68
Bay State Road.....	7,722 79	119 36	7,842 15
Boylston st.....	11,516 65	21,464 02	32,980 67
Brighton ave.....	51,243 19	231 57	51,474 76
Chamberlain st.....		910 77	910 77
Clinton st.....	6,942 71	842 36	7,785 07
Fenlon st.....	1,915 66	648 78	2,564 44
Fullerton st.....		85 20	85 20
Gaylord st.....		927 93	927 93
Geneva ave.....	17,249 19	4,597 48	21,846 67
Granby st.....	4,737 01	14 26	4,751 27
Greenbrier st.....	5,317 10	1,674 01	6,991 11
Harvard ave.....	2,498 39	139 96	2,638 35
Harvard st.....	1,224 39		1,224 39
Ivy st.....	366 12		366 12
Josephine st.....	3,210 79	60 18	3,270 97
Kenmore st.....	48 71		48 71
Lauriat ave.....	16,577 13	12,360 79	28,937 92
Morse st.....	2,086 09	375 26	2,461 35
Newbury st.....	66 70		66 70
Norway st.....	1,460 87		1,460 87
Parker st.....	1,192 51		1,192 51
Peterborough st.....	5,869 98		5,869 98
Ruggles st.....	5,017 34	5,218 93	10,236 27
Sherborn st.....	210 71		210 71
St. Alphonsus st.....	7,276 14	618 16	7,894 30
St. Germain st.....	251 92		251 92
Turner st.....	1,834 49		1,834 49
Vancouver st.....	1,643 12	159 33	1,802 45
Wilder st.....	3,405 21	1,101 93	4,507 14
Wolcott st.....		2,870 89	2,870 89
Totals.....	\$174,961 88	\$55,232 15	\$230,194 03

**List of Contracts from Feb. 1, 1896, to Jan. 31, 1897, made
by the Street Department.**

Paving-Blocks.

CONTRACT.	Awarded to	Dated	Price per M. deliv- ered on wharves.
Large paving-blocks, 300,000	Lanesville Granite Co.	March 30, 1896.	\$48 24
Large paving-blocks, 300,000	Rockport Granite Co.	April 6, 1896.	48 24
Gutter paving-blocks 500,000	Rockport Granite Co.	April 21, 1896.	39 50

Spruce Lumber.

DISTRICT.	Awarded to	Dated	Price per M. ft. B. M.	Price for Planing per M. ft.
East Boston	Jewett Lumber Co.....	Feb. 24, 1896.	\$15 45	\$1 50
Charlestown.....	J. O. Wetherbee.....	"	15 70	1 00
South Boston	Curtis & Pope Lumber Co.,	"	15 25	0 95
Brighton.....	" "	"	15 25	0 95
Dorchester	" "	"	15 88	0 95
Roxbury.....	" "	"	15 45	0 95
West Roxbury.....	" "	"	16 00	0 95
City Proper.....	" "	"	15 25	0 95
Harvard Bridge, 170 M. Ft. B. M.....	G. W. Gale Lumber Co. ..	Sept. 2, 1896.	13 88	

Beach Gravel.

DISTRICT.	Awarded to	Dated	Price per ton.
City Wharves.....	J. P. O'Riorden.....	March 12, 1896.	\$0.57 1/2 delivered on wharves.

Coal.

CONTRACT.	Awarded to	Dated	Price per ton, 2,240 lbs.
1,500 tons, Pumping Station, Dorchester.....	L. G. Burnham & Co.....	Feb. 14, 1896.	\$3 15
1,500 tons, Pumping Station, Dorchester.....	L. G. Burnham & Co.....	May 25, 1896.	3 11
1,500 tons, Pumping Station, Dorchester.....	L. G. Burnham & Co.....	Oct. 16, 1896.	3 31
2,500 tons, Ferry Wharves..	John Morrison....	Feb. 5, 1896.	3 03
2,500 " "	L. G. Burnham & Co.....	April 11, 1896	3 28
3,000 " "	John Morrison....	Nov. 23, 1896.	3 31

Iron Castings.

CONTRACT.	Awarded to	Dated.	Price per 100 lbs.
Iron Castings	Osgood & Hart.....	March 16, 1896.	\$1 20

Bank Gravel and Sand.

CONTRACT.	Awarded to	Dated	PRICE.			
			Gravel.		Sand.	
			A.	B.	A.	B.
South Boston, District 1...	P. O'Riorden...	March 13, 1896..	\$1.49	\$0.73	\$1.49	\$0.73
Charlestown, District 3 ..	P. O'Riorden...	March 13, 1896..	1.73	0.80	1.60	0.80
City Proper, Districts 8, 9 and 10	P. O'Riorden...	March 13, 1896..	1.49	0.75	1.60	0.70
East Boston, District 2....	L. F. Leary....	March 13, 1896..	1.49	0.75	1.49	0.75
Brighton, District 4.....	W. Scollans....	March 13, 1896..	1.70	0.85	1.80	0.90
West Roxbury, District 5,	J. Doonan.....	March 13, 1896..	0.90	0.45	0.90	0.45
Dorchester, District 6...	J. McGovern...	March 13, 1896..	1.32	0.66	1.59	0.80
Roxbury, District 7	O. Nawn.....	March 13, 1896..	1.75	0.75	1.85	0.90

EXPLANATION OF LETTERS.

A.—Double Loads.
B.—Single Loads.

Paving Bricks (Sidewalks).

DISTRICT.	Awarded to	Dated	Price per 1,000.
South Boston.....	W. C. Norcross Co.....	April 23, 1896.....	\$9.75
West Roxbury.....	W. C. Norcross Co.	April 23, 1896.....	11.00
Roxbury.....	W. C. Norcross Co.....	April 23, 1896.....	9.75
City Proper, Districts 8 and 9..	W. C. Norcross Co.....	April 23, 1896.....	9.50
East Boston.....	O. S. Foster.....	April 23, 1896.....	9.50
Charlestown.....	O. S. Foster.....	April 23, 1896.....	9.50
City Proper, District 10.....	O. S. Foster.....	April 23, 1896.....	9.50
Brighton.....	Parry Bros. & Co.....	April 23, 1896.....	10.40
Dorchester.....	F. A. Merriam & Co.....	April 23, 1896.....	9.85

North River and Granite Flagging.

CONTRACT.	Awarded to	Dated	PRICE PER SQ. FT..	
			On wharves.	On Streets.
North River.	J. J. Cuddhy.....	March 12, 1896.....	\$0.29	\$0.31½
Granite.....	Rockport Granite Co..	March 12, 1896.....	0.28½	

Special Edgestone.

CONTRACT.	Awarded to	Dated	Price.
Furnishing about 10,000 lineal feet Special Edgestone on Huntington ave., between Massachusetts ave. and Tremont st.....	A. Ford & Son.....	May 18, 1896.....	\$0.39 per lineal foot.

Lease of Land, etc.

CONTRACT.	Lessor.	Dated	Price.
Flats and docks for public landing, East Boston...	East Boston Dry Dock Co. . .	July 10, 1896.....	\$250 per year, payable quarterly.

Lease of Ledge Lots, Quarrying Stone, etc.

CONTRACT.	Lessor.	Dated	Terms.
Lease of ledge lot for quarrying and removing stone from Kenney st., near Day st. ¹	J. W. Kenney.....	March 12, 1895....	\$0.15 per ton.
Lease of ledge lot for quarrying and removing stone from Rosseter st. ²	W. T. Emerson.....	March 12, 1895....	\$0.25 per ton.
Lease of ledge lot for quarrying and removing stone from Washington st., cor. of Townsend st.,	M. J. Kelley.....	March 25, 1896....	\$0.25 per ton.

¹ Extended Feb. 1, 1896, for three years.² Extended Feb. 1, 1896, for two years.

Lease of Ledge Lots, Quarrying Stone, etc. — *Concluded.*

CONTRACT.	Lessor.	Dated	Terms.
Lease of ledge lot for quarrying and removing stone from Heath st., near Day st. ³	F. Bleier.....	March 30, 1896.....	\$0.20 per ton.
Lease of ledge lot for quarrying and removing stone from Centre st., between Allandale and Walter sts. ⁴	John M. Minton.....	Aug. 1, 1896.....	\$0.18 per ton.
Quarrying and delivering stone to Dimock-street crusher.....	H. P. Nawn.....	April 13, 1896.....	\$0.80 per ton.
Quarrying, crushing and delivering stone from Savin Hill ave, near Grampian Way.....	J. McMorrow.....	June 1, 1896.....	{ \$1.65 per ton on streets in South Boston. 1.50 per ton on streets in Dorchester.
Quarrying and removing stone from ledge leased by city on Centre st., and delivering same on crusher platform.....	T. Minton.....	Sept. 1, 1896.....	
Quarrying and removing stone from city's ledge on Chestnut Hill ave., and delivering same on crusher platform.....	M. Kiernan.....	Sept. 10, 1896.....	\$0.70 per ton.

(³) Extended Jan. 30, 1897, for one year.

⁴ Extended Jan. 30, 1897, for three years.

Collecting and Removing Ashes.

CONTRACT.	Awarded to	Dated	Price.
Meeting House Hill District.....	J. McShane.....	March 31, 1896....	\$4,237 50 per year for 2 years.
East Boston District 1.....	W. F. Hedrington.....	July 31, 1896.....	7,300 00 “ “ from Aug. 1, 1896 to Feb. 1, 1898.

¹ This contract expired Feb. 1, 1896, but was extended to July 31, 1896, when new contract was awarded.

Bridge Strengthening and Miscellaneous Work.

CONTRACT.	Awarded to	Dated	Price.
Steel Superstructure, Southerly Section, Cottage Farm bridge.....	Boston Bridge Works.....	April 11, 1896.....	\$2,400.00
Loading 124 steel beams at Cottage Farm bridge, Northerly Section.....	E. B. Badger & Sons.....	April 9, 1896.....	\$1,647.00
Laying brick arches and cement concrete, Cottage Farm bridge, Northerly Section.....	Metropolitan Construction Co.....	April 14, 1896.....	\$2.00 per cu. yd. for concrete, \$1,800 for brick arches, etc.
Moving and placing steel beams on the abutments and pier of Cottage Farm bridge, Northerly Section.....	A. C. Richmond.....	April 13, 1896.....	\$1,900.00
Parapet, Cottage Farm bridge.....	Cape Ann Granite Co.....	May 9, 1896.....	\$2,135.00
Bearing Blocks, Cottage Farm bridge.....	Cape Ann Granite Co.....	April 17, 1896.....	\$227.96
Moving and placing steel beams on the abutments and pier of Cottage Farm bridge, Southerly Section.....	A. C. Richmond.....	July 14, 1896.....	\$1,400.00
Leading 91 steel beams at Cottage Farm bridge, Southerly Section.....	E. B. Badger & Sons.....	July 20, 1896.....	\$955.50
One iron column for the extension of the Centre Pier, Cottage Farm bridge.....	Boston Bridge Works.....	Aug. 1, 1896.....	\$44.00
Laying brick arches and cement concrete, Cottage Farm bridge, Southerly Section.....	Metropolitan Construction Co.....	Aug. 28, 1896.....	\$2.00 per cu. yd. for concrete, \$1,100 for brick arches, etc.
Artificial stone sidewalks and curb at Cottage Farm bridge.....	Simpson Bros.....	Oct. 2, 1896.....	\$0.25 per square foot for sidewalks ; \$0.60 per lineal foot for curb.
Addition to North Abutment and extension of Centre Pier, Cottage Farm bridge.....	A. C. Richmond.....	July 7, 1896.....	\$2,800.00.

Bridge Strengthening and Miscellaneous Work. — *Concluded.*

CONTRACT.	Awarded to	Dated	Price.
Paving with Sicilian Rock Asphalt, Northerly roadway, Cottage Farm bridge.....	Boston Asphalt Company....	June 4, 1896.....	\$2.25 per square yard.
Paving with Sicilian Rock Asphalt, Southerly roadway, Cottage Farm bridge.....	Boston Asphalt Company....	Oct. 19, 1896.....	\$2.25 per square yard.
Raising the parapets copings and wing walls of the Huntington-ave. bridge over the B. & A. R.R.	W. L. Miller.....	April 11, 1896.....	\$1,271.00.
Building new fences, plank road, etc., Huntington-ave. bridge, over the B. & A. R.R.....	W. L. Miller.....	April 11, 1896.....	\$39.75 per M. Ft. B. M. hard pine; \$1,691 for all other materials and labor, etc.
Paving with Sicilian Rock Asphalt Mastic, Side-walks of Huntington-ave. bridge.....	Boston Asphalt Company....	July 11, 1896.....	\$2.75 per square yard.
Replacing the wooden trusses of the draw, Meridian-st. bridge.....	W. H. Ellis.....	April 11, 1896.....	\$60.00 per M. Ft. B. M. timber. Extra work, actual, reasonable cost, plus 15%.
Replanking roadway, Harvard bridge.....	Josiah Shaw.....	Oct. 1, 1896.....	\$497.00.
Reconstruction of Essex-st. bridge, Ward 25	W. S. Rendle.....	Oct. 14, 1896.....	(A) \$5,200.00; (B) \$15.00 per pile; (C) \$33.00 per M. Ft. B. M.; (D) \$31.00 per M. Ft. B. M.
Axles and wheels, Chelsea bridge, North.	Atlantic Works	March 7, 1896.....	\$136.00.
Electric motor and apparatus for draw, Meridian-st. bridge	Lockwood Manufacturing Co.....	Sept. 3, 1896	\$1,535.00.

(A) Furnishing all labor and materials for the regular part of the work.
 (B) Furnishing, driving and fastening in place oak piles.

(C) Furnishing and fastening in place double hard pine girder caps.
 (D) Furnishing and fastening in place double hard pine riders.

1 Artificial Stone Sidewalks.

CONTRACT.	Dated	Price.
Aberthaw Construction Company.....	April 29, 1896.....	6 cts. per square foot.
Bay State Artificial Stone Company.....	July 11, 1896.....	6 cts. per square foot.
E. L. Booth & Co.....	April 29, 1896.....	6 cts. per square foot.
Boston Paving Company.....	April 29, 1896.....	6 cts. per square foot.
T. J. Hind.....	April 29, 1896.....	6 cts. per square foot.
W. A. Murtfeldt.....	April 29, 1896.....	6 cts. per square foot.
Simpson Bros.....	April 29, 1896.....	6 cts. per square foot.
M. Taylor, Jr.....	April 29, 1896.....	6 cts. per square foot.
J. Ufhell.....	April 29, 1896.....	6 cts. per square foot.

¹ These walks were laid on various accepted streets where the contractor had agreements with the abutters.

Paving with Trinidad Asphalt.

CONTRACT.	Awarded to	Dated	Price.
Corning st., Washington st. to Shawmut ave.....	Barber Asphalt Paving Co...	May 25, 1896....	(A) \$2.00 per square yard.
Pine st., Washington st. to Harrison ave.....	Barber Asphalt Paving Co...	June 18, 1896.....	(B) \$3.00 per square yard.
Laconia st., Washington st. to Harrison ave.....	Barber Asphalt Paving Co...	June 18, 1896.....	(B) \$3.00 per square yard.
Columbus ave., Massachusetts ave. to south line of Ferry st.....	Barber Asphalt Paving Co...	July 15, 1896.....	(B) \$2.90 per square yard; (C) \$5.00 per cubic yard.
Water st., Liberty sq. to Broad st.....	Barber Asphalt Paving Co...	Aug. 8, 1896.....	(B) \$3.00 per square yard.
Batterymarch st., Liberty sq. to Milk st.....	Barber Asphalt Paving Co...	Aug. 8, 1896.....	(B) \$3.00 per square yard.

(A) Relaying old and furnishing new wearing surface on existing concrete base. (B) Furnishing concrete base and asphalt wearing surface.
(C) Extra depth of American cement concrete base.

Paving with Sicilian Rock Asphalt.

CONTRACT.	Awarded to	Dated	Price.
Hanover st., Charter to Tileston st.....	Boston Asphalt Co.....	May 14, 1896.....	(B) \$3.00 per square yard.
K st., Sixth to Eighth st.....	Boston Asphalt Co.....	May 20, 1896.....	(B) \$3.00 per square yard.
Taylor st., Dwight to Milford st.....	Boston Asphalt Co.....	May 29, 1896.....	(A) \$2.00 per square yard.
Ohio st., Washington st. to Shawmut ave.....	Boston Asphalt Co.....	July 8, 1896.....	(B) \$3.00 per square yard.
Meander st., Malden to E. Dedham st.....	Boston Asphalt Co.....	July 8, 1896.....	(B) \$3.00 per square yard.
Hamburg st., Mystic st. to Harrison ave.....	Boston Asphalt Co.....	July 8, 1896.....	(B) \$3.00 per square yard.
Mystic st., Malden to E. Brookline st.....	Boston Asphalt Co.....	July 8, 1896.....	(B) \$3.00 per square yard.
Norwich st., Mystic to Meander st.....	Boston Asphalt Co.....	July 8, 1896.....	(B) \$3.00 per square yard.
Huntington ave., from the B. & A. R.R. bridge to Gainsboro' st., minus the intersection at Massachusetts ave.....	Boston Asphalt Co.....	July 15, 1896.....	(B) 2.90 per square yard; (C) \$5.00 per cubic yard.
Columbus ave., south line of Terry st. to a point 60' north of Station st.....	Boston Asphalt Co.....	July 15, 1896.....	(B) \$2.90 per square yard; (C) \$5.00 per cubic yard.
Acton st., Washington st. to Bradford st.....	Boston Asphalt Co.....	Oct. 12, 1896.....	(B) \$3.00 per square yard.

EXPLANATION OF LETTERS.

- (A) Relaying old and furnishing new wearing surface on existing concrete base. (B) Furnishing concrete base and asphalt wearing surface.
(C) Extra depth of American cement concrete base.

Paving and Regulating.

CONTRACT.	Awarded to	Dated	Price.
Huntington ave., B. & A. R.R. Bridge to Massachusetts ave., laying gutters, setting edgestones, laying brick sidewalks and crosswalks, etc.....	J. B. O'Rourke.....	June 8, 1896.....	Paving gutters, \$0.20 per sq. yd.; setting edgestone, \$0.06 per lin. ft.; brick sidewalks, \$0.14 per sq. yd.; crosswalks, \$0.20 per sq. yd.
Devonshire st., State st. to Adams sq., paving with granite blocks, pitch joints on concrete base ...	J. B. O'Rourke.....	June 29, 1896.....	(B) \$5.00 per cubic yd.; (C) \$0.90 per sq. yd.; (D) \$0.08 per lin. ft.; (E) \$0.18 per sq. yd.
Milk st., Oliver to India st., paving with granite blocks, pitch joints on concrete base.	Jones & Mehan.....	Aug. 8, 1896.....	(B) \$5.00 per cubic yd.; (C) \$0.90 per sq. yd.; (D) \$0.08 per lin. ft.; (E) 0.18 per sq. yd.; (F) \$0.25 per sq. yd.
Winter st., Washington to Tremont st., paving with granite blocks, pitch joints on concrete base.....	H. Gore & Co.....	Aug. 29, 1896.....	(B) \$5.00 per cubic yd.; (C) \$0.90 per sq. yd.; (D) \$0.08 per lin. ft.; (E) \$0.18 per sq. yd.; (F) \$0.25 per sq. yd.
Lowell st., Causeway to Brighton st., paving with granite blocks, pitch joints on gravel base.....	D. J. Kiley & Co.....	Sept. 30, 1896.....	(C) \$0.90 per sq. yd.; (D) \$0.08 per lin. ft.; (E) \$0.18 per sq. yd.; (F) \$0.25 per sq. yd.
Chauncy st., Summer to Essex st., paving with granite blocks, pitch joints on concrete base....	Metropolitan Construction Co.....	Oct. 6, 1896.....	(A) \$0.25 per sq. yd.; (B) \$5.00 per cubic yd.; (C) \$0.90 per sq. yd.; (D) \$0.15 per lin. ft.; (E) \$0.23 per sq. yd.; (F) \$0.25 per sq. yd.; (G) cost, plus 15%.
Columbus ave., Massachusetts ave. to Tremont st., laying gutters, setting edgestones, laying brick sidewalks and crosswalks	P. Doherty.....	July 24, 1896.....	(D) \$0.05 per lin. ft.; (E) \$0.15 per sq. yd.; (F) \$0.18 per sq. yd.
Beach st., Washington st. to Harrison ave., paving with granite blocks, pitch joints on concrete base,	J. B. O'Rourke.....	Oct. 7, 1896.....	(A) \$0.25 per sq. yd.; (B) \$5.00 per cubic yd.; (C) \$0.90 per sq. yd.; (D) \$0.15 per lin. ft.; (E) \$0.23 per sq. yd.; (F) \$0.25 per sq. yd.; (G) cost, plus 15%.

EXPLANATION OF LETTERS.

(A) Barring up and loading pavement. (B) Furnishing and laying a 6 in. American cement concrete base. (C) Laying granite block paving and pitching joints. (D) Resetting edgestones. (D¹) Resetting edgestones, including excavation. (E) Relaying brick sidewalks. (E¹) Relaying brick sidewalks, including excavation. (F) Laying granite block paving with gravel joints. (G) Raising manhole covers, catch-basin tops, etc., to grade.

Excavating, Removing Material and Grading.

CONTRACT.	Awarded to	Dated	Price.
Blue Hill ave., easterly side, parts of section 3, 4, and 5.....	Collins & Ham.....	June 22, 1896.....	(A) \$0.99 per cubic yd., excavation, delivering and grading material on Columbus ave., between Dimock st. and W. Walnut pk.; (B) \$0.99 per cu. yd. excavation, delivering and grading material on Geneva ave., between the Shawmut Branch R.R. and Dorchester ave.; (D) \$0.50 per cu. yd., ledge excavation; (E) \$50.00, cutting down trees, etc.
Columbus ave., Massachusetts ave. to Camden st..	J. J. Sullivan.....	Sept. 24, 1896.....	(A) \$0.25 per sq. yd., excavating and delivering material within three-fourths of a mile; (B) \$0.25 per sq. yd., removing gutter paving and delivering same within three-fourths of a mile haul.
Harvard st., formerly Back st.....	J. McDonald.....	Oct. 22, 1896.....	\$0.83 per cu. yd., grading with material in the street.

Street Construction, under Chap. 323 of the Acts of 1891, or Special Acts or Amendments thereto.

Macadam Roads.

CONTRACT.	Awarded to	Dated	Prices.
Bay State road, Sherborn to Granby st.....	Quimby & Ferguson.....	April 18, 1896.....	(A) \$0.33; (C) \$0.27; (D ¹) \$2.10; (F ¹) \$0.22; (H) \$0.27; (M) \$0.78.
Granby st., Commonwealth ave. to Charles river..	Quimby & Ferguson.....	April 18, 1896.....	(A) \$0.33; (C) \$0.27; (D ¹) \$2.10; (F) \$0.22; (H) \$0.27; (J) \$4.10; (M) \$0.78.
Josephine st., Geneva ave. to Ditson st.....	J. J. Nawn.....	April 18, 1896.....	(A) \$0.22; (C) \$0.17; (D ¹) \$1.95; (F ¹) \$0.20; (H) \$0.30; (J) \$4.30; (M) \$0.90.

Street Construction under Chap. 323 of the Acts of 1891. — *Concluded.*
Macadam Roads.

CONTRACT.	Awarded to	Dated	Price.
Abbotsford st., Walnut ave. to Harold st.	Quimby & Ferguson	May 14, 1896	(A) \$0.38; (C) \$0.26; (D) \$0.83; (F) \$0.24; (H) \$0.26; (J) \$4.25; (L) \$2.00.
Greenbrier st., Bowdoin to Bloomfield st.	Quimby & Ferguson	May 14, 1896	(A) \$0.32; (C) \$0.22; (D) \$2.15; (F) \$0.24; (H) \$0.22; (J) \$4.25; (M) \$0.75; (N) \$25.00.
St. Alphonsus st., Tremont to Calumet st.	Quimby & Ferguson	May 14, 1896	(A) \$0.38; (C) \$0.27; (D) \$0.82; (F) \$0.24; (H) \$0.22; (J) \$4.25; (L) \$1.80; (M) \$0.75; (P) \$0.9.
Morse st., Washington st. to Bowdoin ave.	D. E. Lynch	Sept. 24, 1896	(A) \$0.28; (C) \$0.17; (D) \$0.65; (F) \$0.14; (H) \$0.25; (J) \$4.50; (M) \$0.30.
Penelon st., Washington to Merrill st.	D. E. Lynch	Sept. 24, 1896	(A) \$0.28; (C) \$0.17; (D) \$0.65; (F) \$0.25; (H) \$0.25; (J) \$4.50; (M) \$0.30.
Wilder st., Washington st. to Geneva ave.	T. F. Finneran and M. J. O'Hearn	Sept. 26, 1896	(A) \$0.23; (C) \$0.18; (D) \$0.60; (F) \$0.20; (H) \$0.25; (J) \$5.00; (M) \$1.00.
Lauriat ave., Blue Hill ave. to Tucker st.	Doherty & Connors	Sept. 22, 1896	(A) \$0.29; (C) \$0.23; (D) \$0.54; (F) \$0.25; (H) \$0.23; (J) \$4.50; (M) \$0.61.
Boylston st., Boylston road to Brookline ave.	N. McBride	Oct. 17, 1896	(A) \$0.20; (C) \$0.20; (D) \$0.20; (F) \$0.20; (H) \$0.20; (J) \$5.00; (M) \$0.80.
Geneva ave., Westville st. to Dorchester ave.	T. F. Finneran and M. J. O'Hearn	Nov. 9, 1896	(A) \$0.32; (C) \$0.18; (D) \$0.27; (F) \$0.18; (H) \$0.22; (J) \$4.30; (M) \$0.73.

EXPLANATION OF LETTERS.

(A) Sub-grading per cu. yd. (C) Macadam (placed) per sq. yd. (D) Granite block gutters laid per sq. yd. (D') Granite block gutters furnished and laid per sq. yd. (F) Setting edgestones per lin. ft. (H) Furnishing and laying gravel sidewalks per sq. yd. (J) Furnishing and laying tagging cross-walks per sq. yd. (L) Ledge excavation per cu. yd. (M) Gravel furnished per cu. yd. (N) Removing trees, stumps, etc. (P) Removing stone-walls, etc.

Street Construction under Chap. 323 of the Acts of 1891, or Special Acts or Amendments thereto.
Telford Macadam Roads.

CONTRACT.	Awarded to	Dated	Price.
Commonwealth-avenue extension, Chestnut Hill ave. to the Newton line.....	J. A. Whittemore's Sons.....	May 4, 1896.....	(A) \$0.25; (B) \$0.15; (C) \$0.16; (D) \$0.70; (E) \$0.10; (H) \$0.20; (J) \$5.00; (L) \$1.00; (M) \$0.40; (NN) \$0.20; (P) \$0.30.
Blue Hill ave., Seaver to Washington st.....	D. E. Lynch.....	June 2, 1896.....	(A) \$0.40; (B) \$0.31; (C) \$0.15; (D) \$0.65; (F) \$0.29; (H) \$0.30; (J) \$4.50; (M) \$0.50.
Huntington ave., Longwood ave. to the Brookline line	Doherty & Connors.....	June 2, 1896.....	(A) \$0.30; (B) \$0.21; (C) \$0.25; (D) \$0.45; (F) \$0.23; (G) \$0.44; (H) \$0.25; (J) \$4.50; (M) \$0.79; (N) \$255.00.
Audubon road, Beacon, across Ivy st.....	W. Scollans.....	June 19, 1896.....	(A) \$0.25; (B) \$0.37; (C) \$0.31; (D) \$0.85; (E) \$0.40; (F) \$0.30; (G) \$0.95; (J) \$4.25; (M) \$0.75.
Huntington ave., Gainsboro' st., across Longwood ave.....	H. Gore & Co.....	July 24, 1896.....	(A) \$0.25; (B) \$0.24½; (C) \$0.19½; (D) \$0.40; (F) \$0.17; (P) \$0.15; (G) \$0.42; (H) \$0.30; (J) \$4.50; (M) \$0.75.
Columbus ave., West Walnut Park to Walnut ave., Blue Hill ave., Canterbury st. to within 500' north of Lauriat ave.....	Collins & Ham.....	Aug. 14, 1896.....	(A) \$0.45; (B) \$0.15½; (C) \$0.07½; (D) \$0.30; (F) \$0.14; (G) \$0.53; (H) \$0.30; (J) \$5.25; (M) \$0.50; (N) \$325.00.
Blue Hill ave., 500' north of Lauriat avenue to Walk Hill st	H. P. Nawn.....	Aug. 31, 1896.....	(A) \$0.40; (F) \$0.40; (HB) \$0.15; (C) \$0.41; (D) \$0.61; (E) \$0.10; (F) \$0.20; (H) \$0.25; (J) \$4.50; (M) \$1.00; (L) \$0.50; (CC) \$0.0001.
	Doherty & Connors.....	Aug. 31, 1896.....	(A) \$0.27; (B) \$0.31; (HB) \$0.14; (C) \$0.25; (D) \$0.55; (E) \$0.11; (F) \$0.25; (H) \$0.27; (J) \$4.35; (M) \$0.60; (L) \$0.51.

EXPLANATION OF LETTERS.

(A) Sub-grading per cu. yd. (B) Telford base placed per sq. yd. (BB) Telford base, extra haul, per sq. yd. (C) Macadam placed per sq. yd. (CC) Trap rock per sq. yd. in excess of price paid for Roxbury stone for macadam. (D) Granite block gutters laid per sq. yd. (E) Furnishing loam per sq. yd. (F) Setting edgestones per lin. ft. (FF) Setting special edgestones per lin. ft. (G) Brick sidewalks, laying per sq. yd. (H) Furnishing and laying gravel sidewalks per sq. yd. (I) 6-in. pipe-drain per lin. ft. (J) Furnishing and laying flagging crosswalks per sq. yd. (L) Ledger excavation per cu. yd. (M) Gravel furnished per cu. yd. (N) Removing trees, stumps, etc. (NN) Loam rehailed per cu. yd. (P) Breaking and hauling stone per cu. yd.

Sewer Construction under Chap. 323 of the Acts of 1891, or Special Acts or Amendments thereto.

STREET DEPARTMENT.

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CONTRACT.	Awarded to	Dated	Price.
Sewer and connections, Blue Hill ave., Sect. 9....	F. A. Snow.....	April 13, 1896.....	(D) \$0.45 per lin. ft. laying 12-in. pipe sewer; (E) \$0.15 per lin. ft. laying 12-in. pipe catch-basin drain; (F) \$0.15 per lin. ft. laying 10-in. pipe catch-basin drain; (K) \$35.00 each, manholes; (L) \$3.50 per cu. yd. rock excavation; (AA) \$30.00 each, catch-basins; (ZZ) \$10.00 each, drop inlets.
Sewer and connections, Commonwealth ave., Sect. 7....	J. Dolan.....	April 18, 1896.....	(A) \$0.25 per cu. yd. earth excavation and refill for 10-in. pipe sewer; (B) \$0.10 per lin. ft. laying 10-in. pipe sewer; (C) \$34.00 each, manholes; (D) \$3.25 per cu. yd. rock excavation.
Sewer and connections, Audubon road.....	J. Dolan.....	April 18, 1896.....	(D) \$0.45 per lin. ft. 12-in. pipe sewer; (E) \$0.40 per lin. ft. 10-in. pipe catch-basin drain; (F) \$0.30 per lin. ft. 8-in. pipe house-drain; (K) \$30.00 each, manholes; (AA) \$45.00 each, catch-basins.
Sewer and connections, Commonwealth ave., Sect. 5.....	F. A. Snow.....	May 1, 1896.....	(A) \$0.20 per cu. yd. earth excavation and refill for sewer manholes, etc.; (B, C and D) \$0.10 per lin. ft. laying 10 and 12-in. pipe sewer and catch-basin drain; (E) \$10.00 manholes; (F) \$4.00 per cu. yd. rock excavation; (O) \$10.00 each, catch-basins; (P) \$10.00 each, drop inlets.
Sewer and connections, Blue Hill ave., Sect. 14....	J. Dolan.....	May 20, 1896.....	(D) \$0.43 per lin. ft. 12-in. pipe sewer; (E) \$0.35 per lin. ft. 18-in. pipe catch-basin drain; (H) \$0.29 per lin. ft. 12-in. pipe catch-basin drain; (G) \$0.25 per lin. ft. 10-in. pipe catch-basin drain; (K) \$34.00 each, manholes; (L) \$3.12 per cu. yd. rock excavation; (AA) \$40.00 each, catch-basins; (ZZ) \$10.00 each, drop inlets.
Sewer and connections, Blue Hill ave., Sect. 16....	J. P. O'Connell.....	June 13, 1896.....	(A) \$0.30 per lin. ft. earth excavation for 30-in. pipe culvert; (B) \$0.30 per lin. ft. 30-in. pipe culvert; (C) \$0.50 per lin. ft. 18-in. pipe catch-basin drain; (D) \$0.50 per lin. ft. 15-in. pipe catch-basin drain; (K) \$20.00 each, manholes; (L) \$3.00 per cu. yd. rock excavation; (N) \$3.00 per cu. yd. Portland cement concrete; (O) \$3.00 per cu. yd. American cement concrete; (P) \$3.00 per cu. yd. rubble stone masonry; (AA) \$40.00 each, catch-basins; (ZZ) \$13.00 each, drop inlets.

Sewer Construction under Chap. 323 of the Acts of 1891, etc. — *Continued.*

CONTRACT.	Awarded to	Dated	Price.
Sewer and connections, Blue Hill ave., Sect. 7.....	J. P. O'Connell.....	June 30, 1896.....	(A, B and C) \$0.10 per lin. ft. laying 10 and 12-in. pipe sewer and catch-basin drain; (D) \$26.00 each, manholes; (E) \$0.50 per cu. yd. loose rock excavation; (F) \$3.00 per cu. yd. solid rock excavation; (G) \$0.50 per cu. yd. earth excavation for 10 and 12 in. pipe sewer, etc.; (AA) \$32.00 each, catch-basin; (ZZ) \$10.00 each, drop inlets.
Sewer and connections, Blue Hill ave., Sect. 13.....	T. H. Connolly.....	July 9, 1896.....	(A) \$0.10 per lin. ft. laying 12-in. pipe sewer; (B, C, D, E, F) \$0.10 per lin. ft. laying 10, 12, 15, 18 and 20-inch pipe catch-basin drain; (K) \$35.00 each, manholes; (L) \$0.50 per cu. yd. loose rock excavation; (M) \$2.50 per cu. yd. solid rock excavation; (N) \$0.24 per cu. yd. earth excavation for pipe sewer and catch-basin drain; (AA) \$36.00 each, catch-basins; (ZZ) \$20.00 each, drop inlets.
Sewer and connections, Blue Hill ave., Sect. 15.....	J. Dolan.....	July 16, 1896.....	(A) \$0.20 per lin. ft. laying 18-in. pipe sewer; (B and D) \$0.15 per lin. ft. laying 15-in. pipe sewer and catch-basin drain; (C and E) \$0.10 per lin. ft. laying 12-in. pipe sewer and catch-basin drain; (F) \$0.10 per lin. ft. laying 10-in. pipe catch-basin drain; (K) \$33.00 each manholes; (L) \$0.50 per cu. yd. loose rock excavation; (M) \$3.00 per cu. yd. solid rock excavation; (N) \$0.21 per cu. yd. earth excavation for pipe sewer and catch-basin drains; (AA) \$37.00, each catch-basins; (ZZ) \$7.00 each, drop inlets.
Sewer and connections, Geneva ave. and Park st., Ward 20.....	J. P. O'Connell.....	July 21, 1896.....	(D) \$0.35 per lin. ft. laying 12-in. pipe sewer; (E) \$0.40 per lin. ft. laying 15-in. pipe catch-basin drain; (F) \$0.35 per lin. ft. laying 12-in. pipe catch-basin drain; (K) \$30.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (AA) \$40.00 each, catch-basins; (BB) \$0.35 per lin. ft. 6-in. pipe house drain.
Sewer and connections, Fenelon st., Ward 20.....	T. H. Connolly.....	July 21, 1896.....	(D) \$0.50 per lin. ft. 12-in. pipe sewer; (E) \$0.45 per lin. ft. 10-in. pipe catch-basin drain; (F) \$0.45 per lin. ft.

Sewer and connections, Morse st., Washington st. to Bowdoin ave.....	T. H. Connolly	July 21, 1896.....	6-in. pipe house drain; (AA) \$38.00 each, catch-basins; (BB) \$8.00 each, pipe chimney. (D) \$0.45 per lin. ft., 10-in. pipe, catch basin drain; (E) \$0.45 per lin. ft., 6-in. pipe, house drain, (AA) \$40.00 each, catch-basins.
Sewer and connections, Forest ave., trunk sewer, Sect. 1.....	T. H. Connolly.....	July 29, 1896.....	(D) \$0.75 per lin. ft., laying 18-in. pipe sewer; (E) \$0.75 per lin. ft., laying 15-in. pipe sewer; (K) \$34.00 each, manholes; (L) \$0.40 per cu. yd., loose rock excavation; (M) \$2.90 per cu. yd., solid rock excavation; (BB) \$8.00 each, 8-in. pipe chimneys.
Sewer and connections, Blue Hill ave., part of Sect. 4.....	T. J. Young & Co.....	July 30, 1896.....	(D) \$0.85 per lin. ft., 12-in. pipe sewer; (K) \$35.00 each, manholes; (V) \$0.16 per lin. ft., 6-in. under-drain.
Stony Brook conduit, Columbus ave., Sect. 6.....	J. P. O'Connell.....	Aug. 3, 1896.....	Items (1) \$1.00 per cu. yd. for earth excavation for conduit; (3) \$3.00 per cu. yd. for rock excavation; (4) \$3.80 per cu. yd. for concrete; (5) \$3.00 per cu. yd. for rubble stone masonry; (6) \$3.80 per cu. yd. for brick masonry, American cement mortar; (7) \$3.80 per cu. yd. for brick masonry, Portland cement mortar; (8) \$0.20 per lin. ft. for 10-in. pipe under-drain; (9) \$13.00 M. Ft. B. M. spruce lumber for sheeting and shoring, left in place; (10) \$30.00 M. Ft. B. M. spruce lumber for purposes other than sheeting and shoring and left in place; (12) \$700.00 protecting the channel of Stony brook.
Sewer and connections, Wilder st., Washington st. to Geneva ave.....	Collins & Ham.....	Aug. 13, 1896.....	(A) \$1.00 per lin. ft. earth excavation for culvert and catch-basin drain; (B) \$0.20 per lin. ft. laying 24-in. double-thick pipe culvert; (C) \$0.35 per lin. ft. laying 12-in. pipe catch-basin drain; (D) \$0.35 per lin. ft. laying 10-in. pipe catch-basin drain; (E) \$0.35 per lin. ft. laying 6-in. pipe house-drain; (O) \$5.50 per cu. yd. concrete; (AA) \$37.00 each, catch-basins; (ZZ) \$15.00 each, drop-inlets.
Sewer and connections, Clinton st., Ward 6.....	D. E. Lynch.....	Aug. 14, 1896.....	(D) \$1.00 per lin. ft. laying 12-in. pipe sewer; (E) \$0.50 per lin. ft. laying 10-in. pipe catch-basin drain; (F) \$0.46 per lin. ft. laying 6-in. pipe house-drain; (K) \$35.00 each, manholes; (O) \$4.50 per cu. yd. rock excavation; (H) \$28.00 per M. Ft. B. M. spruce lumber left in place; (AA) \$43.00 each, catch-basins.

Sewer Construction under Chap. 323 of the Acts of 1891, etc. — *Continued.*

CONTRACT.	Awarded to.	Dated.	Prices.
Sewer and connections, Chamberlain st.	J. H. O'Donnell.	Aug. 18, 1896.	(D) \$0.44 per lin. ft. laying 12-in. pipe sewer; (E) \$0.43 per lin. ft. laying 10-in. pipe catch-basin drain; (F) \$0.36 per lin. ft. laying 6-in. pipe house drain; (K) \$35.00 each, manholes; (AA) \$33.00 each, catch-basins.
Sewer and connections, Wolcott st., Ward 20.	J. P. O'Connell.	Aug. 21, 1896.	(A) \$0.70 per lin. ft. laying 30-in. pipe catch-basin drain; (B) \$0.40 per lin. ft. laying 24-in. pipe catch-basin drain; (C) \$0.30 per lin. ft. laying 12-in. pipe catch-basin drain; (D) \$0.30 per lin. ft. laying 10-in. pipe catch-basin drain; (E) \$0.40 per lin. ft. laying 6-in. pipe house drain; (K) \$22.00 each, manholes; (L) \$3.00 per cu. yd. rock; (AA) \$35.00 each, catch-basins; (ZZ) \$12.00 each, drop inlets.
Sewer and connections, Gaylord st., Ward 20.	J. Dolan.	Sept. 4, 1896.	(D) \$0.58 per lin. ft. laying 12-in. pipe sewer; (E) \$0.25 per lin. ft. laying 10-in. pipe catch-basin drain; (F) \$0.30 per lin. ft. laying 6-in. pipe house drain; (K) \$33.00 each, manholes; (AA) \$40.00 each, catch-basins.
Catch-basin drain and connections, Boylston st., Ward 22.	J. H. O'Donnell.	Sept. 8, 1896.	(A) \$0.40 per lin. ft. laying 24-in. pipe catch-basin drain; (B) \$0.40 per lin. ft. laying 18-in. pipe catch-basin drain; (C) \$0.38 per lin. ft. laying 15-in. pipe catch-basin drain; (D) \$0.35 per lin. ft. laying 12-in. pipe catch-basin drain; (E) \$0.30 per lin. ft. laying 10-in. pipe catch-basin drain; (G) \$2.75 per cu. yd. concrete; (H) \$20.00 per M. Ft. B. M. spruce lumber left in place; (L) \$11.00 each, drop inlets; (M) \$42.00 each, catch-basins; (O) \$0.50 per lin. ft., 30-in. pipe sewer.
Stony brook conduit, in Columbus ave., Sect. 5.	H. P. Nawn.	Oct. 7, 1896.	Items (1) \$1.00 per cu. yd. earth excavation for conduit; (3) \$2.00 per cu. yd. rock excavation; (4) \$4.00 per cu. yd. concrete in place; (5) \$6.00 per cu. yd. rubble stone masonry; (6) \$4.50 per cu. yd. brick masonry, American cement mortar; (7) \$7.00 per cu. yd. brick masonry, Portland cement mortar; (8) \$0.50 per lin. ft. laying 10-in. pipe under drain; (9) \$12.00 per M. Ft. B. M. spruce lumber for sheeting and

Sewer and connections, Ruggles st., Parker st. to Back Bay Feus.....	D. E. Lynch.....	Oct. 14, 1896.....	(A) \$1.13 per lin. ft. earth excavation for brick sewer; shoring left in place; (10) \$100.00 protecting the channel of Stony brook; (11) \$35.00 per M. Ft. B. M. spruce lumber for purposes other than sheeting and shoring. (O) \$4.13 per lin. ft. brick excavation for brick sewer; mortar; (D) \$5.00 per cu. yd. brick masonry Portland cement mortar; (E) \$4.00 per cu. yd. concrete; (F) \$28.00 per M. Ft. B. M. spruce lumber left in place; (K) \$0.20 per lin. ft. spruce plies driven.
Sewer and connections, Vancouver st., Ruggles st. to Huntington ave.....	D. E. Lynch.....	Oct. 14, 1896.....	(A) \$0.98 per lin. ft. earth excavation for brick sewer; mortar; (C) \$4.00 per cu. yd. brick masonry American Portland cement mortar; (D) \$5.00 per cu. yd. brick masonry Portland cement mortar; (E) \$4.00 per cu. yd. concrete; (F) \$28.00 per M. Ft. B. M. spruce lumber left in place; (K) \$0.20 per lin. ft. spruce plies driven.
Sewer and connections, Columbus ave., Sect. 8....	T. O'Leary.....	Oct. 29, 1896.....	(A) \$1.08 per lin. ft. earth excavation for 3 ft. 6 in. X 4 ft. 10 in. brick sewer; (B) \$0.75 per lin. ft. earth excavation for 2 ft. 4 in. X 3 ft. 6 in. brick sewer; (C) \$0.51 per lin. ft. laying 12-in. pipe sewer; (D) \$0.51 per lin. ft. laying 10-in. pipe catch-basin drain; (E) \$0.51 per lin. ft. laying 8-in. pipe catch-basin drain; (F) \$0.51 per lin. ft. laying 6-in. pipe house drain; (G) \$25.00 each, manholes; (H) \$2.00 per cu. yd. rock excavation; (I) \$4.25 per cu. yd. brick masonry American cement mortar; (J) \$1.50 per cu. yd. brick masonry Portland cement mortar; (K) \$3.00 per cu. yd. rubble-stone masonry; (T) \$25.00 each, catch-basins.
Stony brook conduit, in Centre st. and private land, Roxbury.....	C. Linehan.....	Nov. 16, 1896.....	Items (1) \$0.80 per lin. ft. earth excavation for conduit; (3) \$1.88 per cu. yd. rock excavation; (4) \$3.00 per cu. yd. concrete; (5) \$3.00 per cu. yd. rubble stone masonry; (6) \$3.70 per cu. yd. brick masonry, American cement mortar; (7) \$3.70 per cu. yd. brick masonry, Portland cement mortar; (8) \$0.50 per lin. ft. 10-in. pipe under-drain; (9) \$22.00 per M. Ft. B. M. spruce lumber for sheeting and shoring left in place; (10) \$22.00 per M. Ft. B. M. spruce lumber for purposes other than sheeting and shoring, left in place.

Sewer Construction under Chap. 323 of the Acts of 1891, etc. — *Concluded.*

CONTRACT.	Awarded to	Dated	Price.
Sewer and connections, Blue Hill ave., Section 4 and part of Section 3.....	D. M. Dwyer.....	Nov. 5, 1896.....	(D) \$0.45 per lin. ft. laying 12-in. pipe sewer; (E) \$0.23 per lin. ft. laying 10-in. pipe catch-basin drain; (F) \$0.45 per lin. ft. laying 8-in. pipe sewer; (K) \$35.00 each, manholes; (L) \$2.50 per cu. yd. rock excavation; (AA) \$39.00 each, catch-basins.
Commonwealth-avenue outlet sewer, in private land, Brighton.....	E. McHale & Co.	Dec. 28, 1896.....	Items (1) \$0.40 per lin. ft. earth excavation for brick sewer; (3) \$2.00 per cu. yd. rock excavation; (4) \$4.00 per cu. yd. concrete; (5) \$4.20 per cu. yd. brick masonry, American cement mortar; (6) \$5.00 per cu. yd. brick masonry, Portland cement mortar; (7) \$0.15 per lin. ft. 6-in. pipe under-drain; (8) \$0.50 per lin. ft. 18-in. pipe sewer; (9) \$0.50 per lin. ft. 12-in. pipe sewer; (10) \$0.35 per lin. ft. 15-in. pipe surface drain; (11) \$0.35 per lin. ft. 12-in. pipe surface drain; (12) \$30.00 per M. Ft. B. M. spruce lumber for sheeting and shoring left in place; (13) \$30.00 per M. Ft. B. M. spruce lumber for purposes other than sheeting and shoring, left in place.
Sewer and connections in Fullerton st., Ward 22..	T. H. Connolly.....	Dec. 28, 1896.....	(A) \$0.55 per lin. ft. laying 18-in. pipe-sewer; (B) \$0.55 per lin. ft. laying 12-in. pipe-sewer; (C, D) \$0.35 per lin. ft. laying 10 and 12 in. pipe catch-basin drain; (E) \$0.38 per lin. ft. laying 6-in. pipe house-drain; (F) \$35.00 each, manholes; (G) \$40.00 each, catch-basins; (H) \$3.00 per cu. yd. concrete; (I) \$0.14 per lin. ft. spruce piles driven; (J) \$21.00 per M. Ft. B. M. spruce lumber left in place.
Sewer in Columbus ave. over Stony brook conduit, between New Heath and Heath sts.....	J. P. O'Connell.....	Dec. 29, 1896.....	\$0.70 per lin. ft. laying 10-in. pipe-sewer; \$18.00 each, manholes.

Sewer Construction under the General Law, Chap. 402 of the Acts of 1892.

STREET DEPARTMENT.

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CONTRACT.	Awarded to	Dated	Price.
Sewer and connections, Holton st., Ward 25.....	T. J. Young & Co.....	June 22, 1896.....	(D) \$1.20 per lin. ft. laying 12-in. pipe-sewer; (K) \$40.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Everett st., Ward 25.....	T. J. Young & Co.....	July 1, 1896.....	(D) \$1.35 per lin. ft. laying 10-in. pipe-sewer; (K) \$55.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Hobart st., Ward 25.....	T. J. Young & Co.....	July 17, 1896.....	(D) \$1.20 per lin. ft. laying 12-in. pipe-sewer; (K) \$40.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Hobart st., from Fan-cuil st. to existing sewer.....	T. J. Young & Co.....	Aug. 20, 1896.....	(D) \$1.30 per lin. ft. laying 12-in. pipe-sewer; (E) \$1.50 per lin. ft. laying 15-in. pipe-sewer; (K) \$45.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, North Harvard st., Coo-lidge to Cambridge st.....	T. J. Young & Co.....	Oct. 8, 1896.....	(D) \$1.55 per lin. ft. laying 15-in. pipe sewer; (E) \$1.40 per lin. ft. laying 12-in. pipe sewer; (K) \$45.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Liverpool st., Decatur st. to Central sq.....	J. H. Etridge	Oct. 13, 1896.....	(D) \$0.82 per lin. ft. laying 18-in. pipe sewer; (K) \$32.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$0.10 per lin. ft. spruce lumber platform; (V) \$0.16 per lin. ft. 6-in. under-drain; (W) \$0.30 per sq. yd. paving over sewer trench.
Sewer and Connections, Rockland st., Mt. Vernon st. to Mt. Vernon ave.....	T. J. Young & Co.....	Nov. 7, 1896.....	(D) \$0.85 per lin. ft. laying 12-in. pipe sewer; (K) \$43.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M. Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drains.

Sewer Construction under the General Law. — *Concluded.*

CONTRACT.	Awarded to	Dated	Price.
Sewer and connections, Meridian st., Concord st. to Chelsea bridge.....	P. Anderson	Nov. 23, 1896.....	(D) \$1.15 per lin. ft. laying 12-in. pipe sewer; (K) \$25.00 each, manholes; (L) \$3.00 per cu. yd. rock excavation; (M) \$0.30 per sq. yd. paving over sewer trench; (R) \$30.00 per M Ft. B. M. spruce lumber left in place; (V) \$0.16 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Mt. Vernon ave., from Rockland st., westerly.....	T. J. Young & Co.	Dec. 5, 1896	(D) \$0.85 per lin. ft. laying 12-in. pipe sewer; (K) \$40.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M Ft. B. M. spruce lumber left in place; (V) \$0.16 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, Rockland st., from Mt. Vernon ave. to Jackson ave.....	T. J. Young & Co.	Jan. 20, 1897.....	(D) \$1.05 per lin. ft. laying 12-in. pipe sewer; (K) \$40.00 each, manholes; (L) \$5.00 per cu. yd. rock excavation; (R) \$30.00 per M Ft. B. M. spruce lumber left in place; (V) \$0.30 per lin. ft. 6-in. pipe under-drain.
Sewer and connections, South Russell st.....	S. Connelly	Aug. 27, 1896	(A) \$0.89 per lin. ft. laying 12-in. pipe sewer; (B) \$0.16 per lin. ft. laying 6-in. pipe under-drain; (C) \$32.00 each, manholes; (D) \$7.00 per cu. yd. rock excavation.

Ferry Drops, Tanks, etc.

CONTRACT.	Awarded to	Dated	Price.
Three ferry drops.....	W. McKie.....	Sept. 16, 1896.....	\$14,718 00
Repairing middle pier, South Ferry, Boston side..	W. H. Ellis & Co.....	Oct. 8, 1896.....	\$1,310 00
Two ferry tanks.....	J. M. Brooks.....	Oct. 7, 1896.....	\$3,500 00
Awning, North Ferry, East Boston side.....	W. H. Ellis & Co.....	June 5, 1896.....	\$638 94

Pile-driving.

CONTRACT.	Awarded to	Dated	Price.
B and Seventh sts. sewer, South Boston.....	W. S. Rendle.....	Sept. 30, 1896.....	\$1.75 per spruce pile. \$10.00 per oak pile.

Furnishing Filling.

CONTRACT.	Awarded to	Dated	Price.
Turner st., from Haviland to Astor st.....	Metropolitan Construction Company.....	April 4, 1896.....	\$0.50 per cubic yard.
Huntington ave., from Parker st., northerly	Metropolitan Construction Company.....	April 23, 1896.....	\$0.65 per cubic yard.
Vancouver st., from Ruggles st. to Huntington ave.....	Metropolitan Construction Company.....	May 20, 1896.....	\$0.65 per cubic yard.
Columbus ave., from Northampton st. to Roxbury Crossing	N. McBride.....	June 4, 1896.....	\$0.99 per cubic yard gravel.
Ruggles st., from Parker st. to the Back Bay Fens,	Metropolitan Construction Company.....	June 12, 1896.....	\$0.65 per cubic yard.
Norway st., from Massachusetts ave. to Parker st.,	Metropolitan Construction Company.....	July 13, 1896.....	\$0.50 per cubic yard.
Bennington and Walley sts.....	J. H. Carter.....	Sept. 7, 1896.....	\$0.45 per load of 20 cubic feet.
Peterborough st., from Audubon road to Fairhaven st.....	Boston & Albany R.R. Co....	Oct. 20, 1896.....	\$0.51 per cubic yard.

Miscellaneous Agreements.

AGREEMENT.	Awarded to	Dated	Price.
Edgestones for year 1896.....	Institutions Department....	March 3, 1896.....	
Watering driveways in Marine Park and Dorchesterway.....	Street Department, Street Watering Division.....	April 11, 1896.....	\$0.62 per lin. ft. on wharves.
Bulkhead, Columbus ave.....	Trumbull & Ryan.....	April 22, 1896.....	Park Department agreed to pay \$500.00 for watering these driveways.
Capstone for sea-wall, Granby st.....	Trumbull & Ryan.....	May 18, 1896.....	\$727.00.
Taking down and removing stone arch at Chestnut-Hill Reservoir driveway.....	W. L. Miller.....	June 16, 1896.....	\$5.00 per lin. ft.
Building wall on Water Works land and Commonwealth-ave. extension.....	J. A. Whittimore's Sons....	July 6, 1896.....	\$874.00.
Changing the fence lines, etc., at the Martin School, Huntington ave.....	Donovan & Brock.....	July 14, 1896.....	\$1.00 per cu. yd. ledge; \$0.40 per cu. yd. earth; \$2.50 per cu. yd. building wall.
Furnishing and laying coal-tar concrete sidewalks on Brighton ave.....	Simpson Bros.....	July 25, 1896.....	\$1,800.00.
Clock in head-house, Boston side, North Ferry....	Geo. M. Stevens.....	Aug. 8, 1896.....	\$110.00.
Iron castings, pipes, hand-rails, drain-inlets, etc., St. Martin st., Charlestown.....	George T. McLaughlin & Co.	Aug. 20, 1896.....	\$137.50.
Building artificial stone steps, platforms, walls, etc., St. Martin st., Charlestown.....	Simpson Bros.....	Aug. 25, 1896.....	\$310.00.
Tearing down wooden building, Columbus ave., corner Weston st.....	A. A. Elston & Co.....	Sept. 4, 1896.....	\$2,803.00.
Tearing down wooden building, Pynchon st.....	A. A. Elston & Co.....	Sept. 10, 1896.....	\$180.00.
			\$150.00.

Furnishing, erecting and fitting, ready for use, pumping machines, Chapman and Lyons sts. Dorchester	J. H. Houghton	Sept. 25, 1896	\$2,821.00.
Electric railway motor, North Ferry, East Boston side	Chas. I. Albee	Oct. 10, 1896	\$838.00.
Gully-cleaner, Decarie Patent	Henry W. Atwater	Nov. 20, 1896	\$2,000.00.
Repairing old ferry tank	W. McKie	Dec. 19, 1896	\$675.00.
Electric railway motor, North Ferry, Boston side.	Chas. I. Albee	Jan. 21, 1897	\$1,000.00.

**Full List of Streets now Paved with Trinidad Asphalt.
City Proper.**

Name.	Limits.	Length.	Area.	Year Laid.
Albany st.	East Concord st. to East Springfield st. .	450	2,700	1884
Arch st.	Franklin st. to Milk st.	426	1,267	1883-93
Ash st.	Bennet st. to Nassau st.	230	409	1887
Barton court	Brighton st. to Barton st.	134	186	1894
Batterymarch st. .	Milk st. to Kilby st.	260	857	1881-96
Beacon st.	Charles st., across Arlington st.	870	3,800	1891
Beacon st.	Dartmouth st. to within 150 ft. east of Gloucester st.	1,744	9,277	1892
Beacon st.	68 ft. west of Gloucester st. to Massachu- setts ave.	1,019	5,391	1893
Bennet st.	90 ft. west of Harrison ave. to 162 ft. east of Washington st.	180	300	1887
Bond st.	Hanson st. to Milford st.	192	426	1895
Brattle sq.	Brattle st. to Elm st.	281	670	1888
Brighton st.	Leverett st. to Allen st.	845	1,737	1892
Birmmer st.	Beacon st. to Pinckney st.	1,087	3,300	1895
Central st.	Broad st. to Kilby st.	313	869	1887
Chambers st.	Green st., across Poplar st.	460	1,061	1894
Chambers st.	Brighton st. to Charles st.	272	604	1895
Charter st.	Hanover st. to Unity st.	318	636	1894
Cherry st.	Washington st. to Shawmut ave.	334	594	1892
Clark st.	Hanover st. towards North st.	120	227	1892
Columbus ave. ...	Boston & Albany Railroad bridge, } across Massachusetts ave. }	3,505	15,578	1884-87 1888-91
Columbus ave.	Massachusetts ave. to 301 ft. south of Camden st.	903	5,418	1896
Corning st.	Washington st. to Shawmut ave.	338	734	1896
Congress sq.	State st. to Congress square	110	160	1883
Cooper st.	North Margin st. to Endicott st.	166	516	1887
Cooper st.	Endicott st. to Charlestown st.	200	600	1887
Court st.	Washington st. to Court square	231	642	1891
Court sq.	Court st. to Court st.	665	1,883	1881-94
Davis st.	Washington st. to Harri-on ave.	323	646	1892
Dartmouth st.	Boylston st. to Newbury st.	266	2,058	1894
Doane st.	Kilby st. to Broad st.	312	624	1881
Edinboro' st.	Essex st. to Beach st.	470	924	1895
Endicott st.	Cooper st., across Thacher st.	312	1,005	1884
<i>Carried forward</i>		17,336	65,099	

Streets Paved with Trinidad Asphalt. — Concluded.
City Proper.

Name.	Limits.	Length.	Area.	Year Laid.
<i>Brought forw'd.</i>		17,336	65,099	
Exchange pl.	Congress st. to Kilby st.	244	678	1887
Groton st.	Washington st. to Shawmut ave.	335	558	1892
Hanover ave.	Hanover st. to North st.	307	266	1892
Harrison ave.	East Newton st. to East Springfield st.	928	2,681	1888-95
Harrison ave.	East Springfield st. to Roxbury line		130	1888-95
Hollis st.	Tremont st. towards Washington st.	276	521	1891
Hudson st.	Beach st. to within 90 ft. north of Curve (minus Kneeland and Harvard sts.)	1,407	3,938	1891
Kilby st.	State st. to Milk st.	648	2,628	1881
Laconia st.	Washington st. to Harrison ave.	330	727	1896
Malcolm st.	Mt. Vernon st. to Chestnut st.	261	290	1892
Massachusetts av.,	Columbus ave. to Tremont st. (southerly roadway)	267	1,621	1892
Massachusetts av.,	Tremont st. to Shawmut ave. (southerly roadway)	470	2,934	1892
Massachusetts av.,	Shawmut ave. to Washington st. (south- erly roadway)	180	994	1892
Moon st.	Between North sq. and Fleet st.	182	384	1891
North Bennet st.,	Hanover st. to Salem st.	552	920	1883
North Margin st.,	Thacher st. to Wiget st.	515	1,154	1895
Oxford st.	Beach st. to Essex st.	430	735	1895
Parmenter st.	Hanover st. to Salem st.	279	764	1893
Pinckney st.	Charles st., across Brimmer st.	271	723	1895
Pine st.	Washington st. to Harrison ave.	419	597	1896
Poplar st.	Chambers st. to Charles st.	1,188	2,442	1887-92
Spring st.	Poplar st. to Leverett st.	447	908	1895
Stillman st.	Between Salem st. and Endicott st.	150	417	1892
Stoddard st.	Howard st. to Court st.	135	150	1892
Sun-court st.	North st. to Moon st.	151	218	1891
Thacher st.	Charlestown st. to Endicott st.	203	562	1892
Tileston st.	155 ft. west from Hanover st. to Salem st.,	417	470	1887-95
Warrenton st.	Eliot st. to Tremont st.	670	1,587	1891
Warrenton st.	Shawmut ave. to Washington st.	468	910	1891
Water st.	Congress st., across Batterymarch st.	325	975	1889
Water st.	Liberty sq. to Broad st.	252	682	1896
Wiggin st.	North Bennet st. to Tileston st.	107	119	1887
		30,150	97,782	

Streets Paved with Trinidad Asphalt. — *Concluded.***Charlestown.**

Name.	Limits.	Length.	Area.	Year Laid.
Austin st.	Seminary pl. to Lawrence st.	144	421	1891

South Boston.

D st.	W. Fifth st. to Gold st.	126	448	1889
Rogers st.	Dorchester st. to Preble st.	360	480	1891
W. Sixth st.	West of C st. toward D st.	91	343	1887
E st.	W. Third st. to Bolton st.	111	419	1892
W. Third st.	153 feet west of E st., across E st.	185	769	1892
		873	2,459	

Roxbury.

Cabot st.	Tremont st. to Vernon st.	1,955	6,559	1891-92
Columbus ave. ...	From 301 feet S. of Camden st., across Terry st.	2,640	15,840	1896
		4,595	22,399	

Streets Paved with Sicilian Rock Asphalt.**City Proper.**

Name.	Limits.	Length.	Area.	Year Laid.
Acton st.	Washington st. to Bradford st.	259	352	1896
Ash st.	Oak st., across Nassau st.	220	391	1895
Barton st.	Leverett st. to Milton st.	427	723	1895
Charles st.	Between Revere st. and Cambridge st. (in front of Eye and Ear Infirmary)	191	225	1895
Decatur st.	Washington st. to Harrison ave.	370	781	1892
Dwight st.	Shawmut ave. to Tremont st.	716	2,075	1893
Fabin st.	Newland st. to Ivanhoe st.	421	615	1895
Fay st.	Dover st. to Harrison ave.	318	560	1894
Hamburg st. ...	Mystic st. to Harrison ave.	383	597	1896
Hanover st.	Tileston st., across Charter st.	315	934	1896
Huntington ave. ...	Boston & Albany Railroad bridge to Cumberland st.	1,591	8,840	1896
<i>Carried forw'd,</i>		5,211	16,093	

Streets Paved with Sicilian Rock Asphalt. — *Concluded.*
City Proper.

Name.	Limt's.	Length.	Area.	Year Laid.
<i>Brought forw'd,</i>	.....	5,211	16,093	
Mason st.	From a point 213 feet south of West st., for a distance of 231 feet southerly	231	480	1894
Massachusetts ave.	Washington st. to Albany st. (southerly roadway)	662	4,151	1894
Meander st.	E. Dedham st. to Malden st.	307	437	1896
Motte st.	Washington st. to Harrison ave.	332	516	1892
Mystic st.	Malden st. to E. Dedham st.	204	226	1896
Mystic st.	E. Dedham st. to E. Canton st.	215	335	1896
Mystic st.	E. Canton st. to E. Brookline st.	216	337	1896
Norwich st.	Mystic st. to Meander st.	221	339	1896
Ohio st.	Washington st. to Shawmut ave.	343	277	1896
Pemberton sq.	In front of Suffolk County Court-house..	323	1,365	1894
Prince st.	Hanover st. to Bennet ave.	293	654	1895
Taylor st.	Dwight st. to Milford st.	196	274	1896
Whitmore st.	Kneeland st. to Harvard st.	249	445	1895
		9,003	25,929	

South Boston.

Athens st.	B st. to C st.	515	746	1892
Athens st.	W. Second st. to A st.	617	916	1895
K st.	E. Sixth st. to E. Eighth st.	566	1,083	1896
W. Broadway.	From 206 ft. east of easterly line of Dor- chester ave. to A st.	350	1,944	1892
W. Broadway.	Gardiner place to 150 feet easterly	150	648	1893
		2,198	5,337	

Charlestown.

Warren st.	Winthrop st. to Soley st.	127	365	1895
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Roxbury.

Columbus ave.	Terry st. to within 61 feet north of Sta- tion st.	884	5,304	1896
Huntington ave.	Easterly side of Cumberland st. to Mas- sachusetts ave.	747	4,150	1896
Huntington ave.	Massachusetts ave. to Gainsborough st.	587	3,372	1896
		2,218	12,826	

Other Asphalt Streets.

Name.	Limits.	Length.	Area.	Year Laid.
Harris street, city proper.....	Hanover st. to North st., coal tar (Ayer),	294	425	
I st. South Boston,	E. Broadway to E. Fourth st., coal tar (Ayer).....	272	1,027	
		566	1,452	

Summary.

Trinidad Asphalt....	Length,	35,762 ft.	or 6.77 miles,	or 123,061 sq. yds.
Sicilian Rock Asphalt,	"	13,546 "	" 2.57 "	" 44,457 "
Coal Tar Asphalt.....	"	566 "	" 0.10 "	" 1,452 "
Asphalt Blocks.....	"	4,009 "	" 0.76 "	" 13,827 "
Total.....		53,883 "	10.20 "	182,797 "

Street Mileage.

The following table shows the length of public highways and the character of pavements, Feb. 1, 1897:—

DISTRICTS.	Sheet Asphalt.	Asphalt Blocks.	Block.	Brick.	Cobble.	Telford and Macadam.	Gravel.	Not graded.	Total.
In previous report...	8.06	0.85	79.79	0.42	2.43	228.29	125.57	11.55	456.11
Feb. 1, 1897.									
City proper	7.47	0.76	*42.72	0.41	1.64	27.29	0.13	.....	80.42
Charlestown.....	0.05	.....	8.90	.....	.....	13.85	.....	0.04	22.84
East Boston.....	.....	.....	4.42	.....	0.14	6.13	16.43	.....	27.12
South Boston.....	0.63	.....	12.88	.....	0.05	21.80	1.40	3.74	40.50
Roxbury.....	1.29	.....	8.24	.....	0.01	59.95	10.98	2.66	83.13
W. Roxbury.....	.....	.....	0.09	.....	.....	40.29	34.94	1.44	76.79
Dorchester.....	.....	.....	3.47	.....	.....	54.71	30.22	1.14	89.54
Brighton.....	.....	.....	.....	.....	.....	18.56	19.07	1.15	38.78
Total.....	9.44	0.76	80.72	0.41	1.84	242.58	113.20	10.17	459.12

NOTE.—The above districts refer to areas enclosed by the original boundary lines.
 * Of this amount, 3.98 miles = granite-block paving on concrete base.

Total length of public streets, 459.12 miles.

There have been laid out and accepted by the Street Commissioners during the year, 2.893 linear miles; 2.294 square

feet have been discontinued; corrections to previous measurements on account of revision and correction of previous tables from all causes, show an increase of 0.117 miles; making a total net increase of 3.01 miles. Street widenings and relocations have been ordered to the extent of 38,477 square feet.

Not included in the above table, there are about 142 miles of private ways and alleys which are not under the care of this department.

The rate of increase from year to year is shown in the following table:—

1859.....	111.50 miles.	1884.....	.374.10 miles.
1871.....	201.32 "	1885.....	.379 60 "
1872.....	207.4 "	1886.....	.383.55 "
1873.....	209.24 "	1887.....	.390.30 "
1874.....	.313.90 "	1888.....	.392.72 "
1875.....	.318.58 "	1889.....	.397.84 "
1876.....	.327.50 "	1890.....	.404.6 "
1877.....	.333.2 "	1891.....	.409.6 "
1878.....	.340.39 "	1892.....	.434.59 "
1879.....	.345.19 "	1893.....	.443.34 "
1880.....	.350.54 "	1894.....	.447.65 "
1881.....	.355.5 "	1895.....	.452.12 "
1882.....	.359.85 "	1896.....	.456.11 "
1883.....	.367.99 "	1897.....	.459.12 "

Areas of Pavements.

The following table shows the area of pavements in square yards, arranged by districts:—

DISTRICTS.	Asphalt.	Block.	Brick.	Cobble.	Telford and Macadam.	Gravel.	Not graded.	Totals.
Feb. 1, 1896....	132,702	1,718,050	5,166	28,504	4,182,438	2,062,394	316,517	8,445,871
Feb. 1, 1897.								
City Proper....	*137,963	†913,748	5,082	15,846	510,517	1,508	.....	1,584,664
Charlestown...	786	198,938	.....	.....	206,888	.....	1,073	407,685
East Boston...	.....	101,144	.....	2,867	128,680	302,635	.....	535,326
South Boston..	8,823	271,602	.....	1,192	379,216	27,976	77,857	766,666
Roxbury.....	35,225	178,484	.....	408	1,086,653	173,255	64,619	1,538,644
West Roxbury. ....	.....	2,067	.....	.....	688,795	533,187	21,347	1,245,396
Dorchester.....	.....	74,594	.....	.....	962,365	501,328	59,760	1,598,047
Brighton.....	.....	.....	.....	.....	492,664	305,388	24,337	822,389
Total.....	182,797	1,740,577	5,082	20,313	4,455,778	1,845,277	245,993	8,498,817

* Of this amount, 13,827 sq. yds. = asphalt blocks.

† Of this amount, 77,728 sq. yds. = granite-block paving on concrete base.

Total area of public streets, 8,498,817 square yards.

INCOME.

Statement showing the amount of bills and cash deposited with City Collector, less bills withdrawn, for the year ending Jan. 31, 1897, by the several divisions of the Street Department:

Bridge Division	\$4,998 65
Boston and Cambridge Bridges	712 01
Ferry Division	166,971 74
Paving Division	38,616 32
Sanitary Division	35,881 77
Sewer Division	222,318 24
Street-Cleaning Division	5,864 08
Street-Watering	4,438 14
	\$479,800 95

Statement showing the amount paid into the city treasury during the same period on account of the several divisions of the Street Department:

Bridge Division	\$2,702 32
Boston and Cambridge Bridges	712 01
Ferry Division	167,056 74
Paving Division	76,652 34
Sanitary Division	27,735 68
Sewer Division	130,294 32
Street-Cleaning Division	1,996 45
Street-Watering	687 65
	\$407,837 51

APPENDIX A.

REPORT OF THE DEPUTY SUPERINTENDENT OF
THE BRIDGE DIVISION.

927 AND 928 TREMONT BUILDING,
BOSTON, Feb. 1, 1897.

BENJ. W. WELLS, ESQ., *Superintendent of Streets:*

DEAR SIR: I respectfully submit my annual report of the expenditures, income and operation of the Bridge Division of the Street Department for the financial year ending Jan. 31, 1897.

Respectfully yours,

WM. H. CARBERRY,
Deputy Superintendent.

There was appropriated for the maintenance of this division during the year the sum of \$120,000. The total number of bridges in Boston is 132. This number does not include culverts.

Four of these bridges, viz., Harvard, Prison Point, Canal and West Boston, all connecting with Cambridge, are in the care of two commissioners, one of whom is appointed by the city of Boston and the other by the city of Cambridge.

Thirty-three are wholly supported by railroad corporations, and 99 are supported wholly or in part by the city of Boston.

There are 23 tide-water bridges provided with draws.

Six of these bridges are in the north district — three operated by steam, two by electricity and one by hand-power.

The division has this year constructed and put in operation an electric motor on Meridian-street bridge, at a cost of \$1,535. This new device for operating the bridge is a decided improvement over horse-power, which was formerly used.

It also gives better facilities for public travel.

On the south side there are six bridges. Three of these are operated by steam, two by electricity and one by hand-power.

The most important of these are the Malden and Mount Washington-avenue bridges, which are now operated by hand-power, and which should during the coming year be supplied with electric or steam-power.

Congress street, Broadway span over the railroad, Mount

Washington-avenue, Charles-river and Malden bridges require constant care, as they are old and patched. They should be rebuilt.

The draw on Broadway bridge has been reconstructed and adjusted so it can be reversed, for the first time in five years.

The smoke fenders which were attached to Dartmouth-street bridge, over the B. & A. R.R., and also on Broadway, over the N. Y., N. H. & H. R.R., were placed there in December, 1895.

After a few months' trial this division was requested by the above railroad corporations to remove the same, as they proved to be dangerous to the men operating the trains.

The fenders were removed in compliance with their request.

The temporary foot-bridge erected in 1895, over the N. Y., N. H. & H. R.R. at Roxbury Crossing, was removed in July, 1896, on account of the elevation of the tracks, in abolishing the grade crossings; also the one at Centre street, called Hog bridge, cared for by the same railroad.

The lumber used in this structure was removed to Foundry-street yard.

The headquarters for District No. 2, located at Foundry street, South Boston, is not a suitable place for office or storehouse, as it is altogether too small.

The following-named bridges, being in a most dangerous condition, were closed to public travel while extensive repairs were being carried on under the supervision of the City Engineer and this division:—

Meridian street, from May 28 to July 3.

Essex street, from Oct. 2 to Dec. 26.

Albany street, from Sept. 11 to Oct. 10.

Broadway, from Dec. 9 to Jan. 4.

An inspection of all inland bridges has been carefully made, and all necessary repairs have been promptly done to insure their safe condition.

Several of these bridges have been painted and all have been thoroughly swept at regular intervals and kept clean.

Better discipline has been maintained among the drawtenders by transferring some of them and placing them at the kind of work for which they seemed best adapted.

They have faithfully and efficiently performed their various duties, as have their assistants, and no accidents have been reported which could be attributed to any neglect, or inattention on the part of the employees.

All material bought and used in construction and repairs has been promptly delivered by the contractors.

A considerable saving in the item of lumber alone was made by the policy adopted of supplying the exact measurements and lengths required. Duplicate sets of gearing, truck wheels, cables, sprocket wheels, pinions, shafting and new patterns have been furnished the various bridges during the year.



BROADWAY BRIDGE.

The road-bed and one sidewalk of the Cottage Farm bridge over the B. & A. R.R. have been completed and reopened to public travel.

A new public landing at Jeffries Point, East Boston, has been constructed at an expense of \$700.

Inclosed in this report will be found a financial statement and a detailed description of the work performed on each bridge, also a tabulation of all bridges supported wholly or in part by the City of Boston, giving the widths of bridges, draw openings, roadways and sidewalks, the number of draw openings made for navigation, and a census of traffic taken on the most important bridges.

OBJECT OF EXPENDITURES.

ADMINISTRATION.

Office expenses :

Printing	\$188 62	
Stationery and postage	89 63	
Office books	35 50	
Engraving plates, etc., annual report	55 38	
Telephone	166 33	
Subscription (newspapers)	10 50	
Directory	5 50	
Atlas (West Roxbury)	36 50	
Messenger service	1 40	
Capillary bath	6 00	
Typewriter paper	19 75	
Repairing typewriter	10 50	
Index	2 50	
Repairing office stamp	7 00	
Repairing clocks	11 00	
Incandescent lamps	1 87	
Portable lamps	7 00	
Mats	15 50	
Fireboard	3 50	
Press-stand	12 00	
Repairing desk	5 50	
Baskets and cuspidores	3 16	
		\$694 64
Salary of Wm. H. Carberry, Deputy Superintendent, $10\frac{17}{30}$ months		2,641 67
Salary of John P. Wise, Deputy Superintendent, $1\frac{3}{30}$ months		358 33
Salaries of Chief Clerk, Messenger, $3\frac{16}{30}$ months, and Messenger, $8\frac{14}{30}$ months		2,800 00
Salaries of Chief of Draws and Bridges, $1\frac{27}{30}$ months, and Chief of Draws and Bridges for 41 weeks, and foreman for 39 weeks, $5\frac{1}{2}$ days		3,143 63
<i>Carried forward,</i>		\$9,638 27

<i>Brought forward,</i>	\$9,638 27
Salary of Chief Draw-Tender, 48 weeks	1,656 96
Salary of Clerk of Committee on Streets and Sewers, 9 weeks	258 84
Salary of Civil Service Clerk ($\frac{1}{7}$ part)	100 00
Travelling expenses	44 50
Board of Deputy Superintendent's horse and extra horse	413 99
Telephone, Deputy Superintendent's house	52 56
 Amount expended, administration	 <u>\$12,165 12</u>

OBJECT OF EXPENDITURES.

Office Expenses.

Salaries	\$10,959 43
General office expenditures	1,205 69
	<u>\$12,165 12</u>

TOTAL REGULAR EXPENDITURES.

Administration	\$12,165 12
On tide-water bridges	85,804 55
On inland bridges	8,436 66
North yard and stable	4,276 29
South yard and stable	9,280 93

Total amount expended for the year, Feb. 1, 1896 to Jan. 31, 1897	<u>\$119,963 55</u>
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FINANCIAL STATEMENT.

REGULAR APPROPRIATION.

Appropriation, 1896-97	\$120,000 00
Received from Boston and Albany Railroad Company for work done on Albany-street bridge	870 42
 Total	 <u>\$120,870 42</u>
Amount of expenditures from Feb. 1, 1896 to Jan. 31, 1897	\$119,963 55
Transferred to Street Cleaning Division, Jan. 29, 1897	906 87
 Total	 <u>\$120,870 42</u>

FINANCIAL STATEMENT.

SPECIAL APPROPRIATIONS IN CHARGE OF BRIDGE DIVISION.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1896, to Jan. 31, 1897.	Balances on hand Jan. 31, 1897.
Charles-river bridge draw, re-modelling, etc.....	\$2,924 16	\$2,517 12	\$407 04
Chelsea bridge, North, rebuilding draw, etc	13,261 64	8,231 10	5,030 54
Gold-street bridge	18,597 58	28 25	18,569 33
Meridian-street bridge, reconstructing draw.....	14,260 48	11,426 87	2,833 61
Reconstruction of Essex-street bridge	6,500 00	4,969 43	1,530 57
Totals	\$55,543 86	\$27,172 77	\$28,371 09

Amount of expenditures Feb. 1, 1896, to Jan. 31, 1897	\$27,172 77
Balances unexpended	28,371 09
Amount of appropriations and transfers .	<u>\$55,543 86</u>

AMOUNTS CHARGED TO SPECIAL APPROPRIATIONS IN CHARGE OF OTHER DIVISIONS.

NAME OF APPROPRIATION.	Where expended.	Amount Expended.
Laying out and construction of highways.....	Railroad bridge over Geneva avenue....	\$14,026 58
Saratoga street, filling solid old bridge	Winthrop bridge....	2,022 20
Blue Hill and other avenues.....	Huntington avenue Bridge and Chestnut Hill Reservoir archway	10,466 68
Commonwealth avenue, construction,	Cottage Farm bridge.	27,440 85
Street Improvements, Wards 1 and 2,	Public Landing, Jeffries Point.....	417 66
Carried forward .....	.....	\$54,373 97

AMOUNTS CHARGED TO SPECIAL APPROPRIATIONS IN CHARGE OF
OTHER DIVISIONS. — *Concluded.*

NAME OF APPROPRIATION.	Where expended.	Amount Expended.
<i>Brought forward</i>		\$54,373 97
Street Improvements, new Ward 2..	Public Landing, Jeffries Point.....	300 00
Street Improvements, new Ward 13..	Broadway (draw) bridge	3,582 15
Street Improvements, Ward 20.....	Savin Hill avenue bridge.....	43 72
Street Improvements, Ward 25.....	Cottage Farm bridge and Everett street bridge.....	5,629 79
Reserved Fund.....	Executions of Court and award of Committee on Claims...	4,413 94
Total		\$68,343 57

Amount expended and charged to regular appropriation \$119,963 55

Amount expended and charged to Bridge Division specials 27,172 77

Amount expended and charged to special appropriations in charge of other divisions 68,343 57

Grand total of expenditures Feb. 1, 1896, to Jan. 31, 1897 \$215,479 89

INCOME.

The amount of bills deposited with the City Collector during the year was as follows:

Work done by this division \$69 90
 Rent for location of cable houses and boxes 2,950 00
 Rent of buildings and pier 83 33
 Rent of land and buildings (leases) 1,266 67

Total \$4,369 90

A detailed statement of expenditures, and description of work performed follows; also a list of those bridges supported wholly or in part by the City of Boston; statement of the public landing places; list of cable-houses and boxes; census of traffic taken on some of the most important bridges; number of draw openings made for navigation; width of draw openings; and table showing widths of bridges, and kind of roadways and side-walks.

TIDE-WATER BRIDGES.

Broadway bridge (over Fort Point Channel).

Patched deck in various places, and thoroughly patched sheathing the whole length of the bridge, under orders issued at sixteen different times during the year, or practically sheathed the whole bridge.

Repaired pier and fender guard, machinery, engines, iron fence, gates, latches, gas fixtures, concrete walk, etc.

Paid for smoke fenders erected during 1895, and which were removed this year.

Cleaned and painted eight plain posts, or supports to the bridge, and eight with over-hanging brackets, also beams with two coats of metallic mixture. Painted boat, two coats.

Carpenters	\$1,557 76	
Painters	356 94	
Lumber	552 97	
Nails	78 47	
Ironwork	283 52	
Repairing engines and machinery	255 89	
Hardware	14 53	
Paint stock	98 25	
Metal smoke fenders	431 00	
Repairing pier and fender guard	161 72	
Repairing pipe and gas fixtures	69 90	
Repairing concrete walk	6 27	
Painters' tools	59 22	
Removing smoke fenders	14 80	
Teaming lumber	127 50	
		\$4,068 74

Regular expenses:

Draw-tenders	\$5,506 82	
Substitutes	210 00	
Coal	179 68	
Gas	44 40	
Water	25 00	
Insurance on boiler	100 00	
Ice	6 00	
Small supplies	24 99	
		6,096 89

\$10,165 63

Cambridge-street bridge (from Brighton to Cambridge).

Repaired deck and sheathing on bridge and draw, and sheathed the bridge.

Carpenters	\$40 00	
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Carried forward,

\$40 00

\$10,165 63

<i>Brought forward,</i>	\$40 00	\$10,165 63
Lumber	67 97	
Nails	8 58	
Ironwork	5 50	
Spar for buoy	12 50	
		\$134 55

Regular expenses:		
Draw-tender	\$372 59	
Coal	9 30	
Small supplies	8 22	
		390 11

524 66

Charles-river bridge (from Boston to Charles-town).

Patched sheathing, repaired float and bridge fence, repaired machinery, also set new mooring stone for buoy.

Carpenters	\$54 50	
Lumber	45 86	
Nails	16 05	
Ironwork	31 90	
Paint stock (labor 1895)	33 75	
Mooring stone and chain	70 00	
		\$252 06

Regular expenses:		
Draw-tenders	\$4,910 32	
Coal	371 64	
Gas	35 37	
Water	25 00	
Cordage	151 67	
Ice	6 00	
Watering	100 00	
Insurance on boiler	50 00	
Supplies	21 38	
		5,671 38

5,923 44

Chelsea bridge, North, (over North channel, Mystic river).

Repaired machinery, gates, gear, latches, etc., and re-set buoy.

Carpenters	\$6 75	
Nails	8 99	
Ironwork	27 35	
Repairing gate	14 16	
Repairing machinery	6 91	
Setting buoy	50 00	
		\$114 16

Carried forward,

\$114 16 \$16,613 73

Brought forward,

\$114 16 \$16,613 73

Regular expenses:

Draw-tenders . . .	\$4,333 02
Substitutes . . .	157 50
Coal	30 36
Electric lights . . .	44 00
Water	10 00
Stove, pipe, etc. . .	18 35
Furniture	7 00
Grease	9 65
Ice	6 00
Small supplies . . .	8 94

4,624 82

4,738 98

Chelsea bridge, South (over South Channel,
Mystic river).

Sheathed draw, repaired machinery, engine, gates,
etc.

Carpenters	\$81 50
Lumber	88 14
Nails	13 48
Ironwork	35 14
Repairing engine . . .	60 56
Paint stock	4 25

\$283 07

Regular expenses:

Draw-tenders	\$4,309 98
Substitutes	107 50
Coal	231 20
Gas	36 97
Water	32 50
Cleaning boiler tubes .	18 00
Insurance on boiler . .	50 00
Ice	6 00
Small supplies	5 46

4,797 61

5,080 68

Chelsea-street bridge (from East Boston to
Chelsea).

Sheathed one side and repaired iron fence.

Carpenters	\$13 75
Nails	3 94
Repairing iron fence . .	8 95
Tide-water displacement .	27 00

\$53 64

Regular expenses:

Draw-tender	\$304 75
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Carried forward,

\$304 75

\$53 64

\$26,433 39

<i>Brought forward,</i>	\$304 75	\$53 64	\$26,433 39
Coal	4 65		
Small supplies	33		
		309 73	
			363 37

Commercial Point or Tenean bridge, Dorchester.

Regular expenses :	
Draw-tender	50 00

Congress-street bridge (over Fort Point channel).

Sheathed draw, repaired deck under paved roadway, patched sheathing in various places, repaired concrete walk, fence, sidewalk, and put in new oak headers. Repaired machinery, engines, iron fence, latches, gears and water-pipe. Painted draw-house and fence on bridge.

Carpenters	\$571 44
Painters	142 00
Lumber	593 73
Nails	34 83
Ironwork	326 78
Repairing fence	111 20
Bolts, etc.	36 71
Repairing machinery	399 10
Sprocket wheel	11 83
Repairing engines	119 43
Boiler grate	24 65
Hardware	14 19
Paint stock	15 64
Plumbing	20 30
Repairing concrete walk	50 56
Teaming lumber	7 50
Asphaltum	12 25
	\$2,492 14

Regular expenses :

Draw-tenders	\$5,984 12
Substitutes	210 00
Coal	305 40
Water	74 25
Insurance on boilers	100 00
Kerosene	38 88
Ice	6 00
Small supplies	20 60
	6,739 25
	9,231 39

Carried forward,

\$36,078 15

Brought forward,

\$36,078 15

Dover-street bridge (over Fort Point channel).

Patched sheathing in various places under eight different orders, and put in new oak headers; repaired machinery, trucks, motor, iron fence, water-pipe, and put in new armature; painted draw-house.

Carpenters	\$295 37	
Painters	175 01	
Lumber	280 94	
Nails	21 87	
Ironwork	100 66	
Repairing iron fence . .	48 75	
Repairing motor . . .	47 32	
New armature and supplies,	197 03	
Hardware	6 01	
Paint stock	18 39	
Plumbing	20 13	
		\$1,211 48

Regular expenses:

Draw-tenders	\$5,309 16	
Substitutes	183 63	
Coal	27 90	
Repairing stove, etc. . .	24 75	
New stove	12 00	
Damage to team	5 25	
Ice	6 00	
Small supplies	7 07	
		5,575 76

6,787 24

Essex-street bridge (from Brighton to Cambridge).

Sheathed draw and patched deck; patched sheathing at five different places on the bridge and repaired ring bolts.

Carpenters	\$102 62	
Lumber	141 36	
Nails	10 26	
Ironwork	14 00	
		\$268 24

Regular expenses:

Draw-tenders	\$670 98	
Substitute	25 32	
Coal	12 33	
Small supplies	2 58	
		711 21

979 45

Carried forward,

\$43,844 84

Brought forward,

\$43,844 84

Federal=street bridge (over Fort Point channel).

Sheathed draw twice, patched sheathing, repaired sidewalk, foundation to sheave, railing to run, and concrete sidewalk; repaired machinery, put in new steel cable on draw, and repaired water-pipes, latches and iron fence; painted draw-house and boat.

Carpenters	\$104 38	
Painters	155 80	
Lumber	143 35	
Nails	12 15	
Ironwork	157 77	
Steel cable	14 73	
New smokestack . .	17 90	
Paint stock	19 05	
Plumbing	24 60	
Repairing concrete walk .	113 75	
		\$763 48

Regular expenses :

Draw-tenders	\$5,519 98	
Substitutes	120 00	
Coal	43 80	
Gas	50 70	
Water	10 00	
Zinc, etc. . . .	6 92	
Ice	6 00	
Oil and grease	8 25	
Small supplies	17 77	
		5,783 42

6,546 90

Granite bridge (from Dorchester to Milton).

Sheathed draw, relaid sidewalk, repaired sheathing and fence.

Carpenters	\$44 75	
Lumber	77 08	
Ironwork	2 20	
Nails	6 00	
		\$130 03

Regular expenses :

Draw-tender	243 80	

373 83

Carried forward,

\$50,765 57

Brought forward,

\$50,765 57

L-street bridge (over reserved channel at junction of Congress and L streets).

Repaired draw-house, machinery, etc., and put in water-pipe from hydrant on L street to engine-house, also overflow to tank work done in 1895, afterwards repaired said pipe; painted engine-house and top, sides and underside of draw, two coats.

Carpenters	\$25 00	
Painters	178 25	
Lumber	3 54	
Nails	32	
Ironwork	2 90	
Repairing machinery	20 57	
Paint stock	16 51	
Plumbing	839 18	
Painting signs	27 40	
		\$1,113 67

Regular expenses :

Draw-tenders	\$4,568 90	
Coal	246 60	
Water	56 00	
Insurance on boiler	100 00	
Ice	6 00	
Lubricating oil	6 75	
Gauge glasses, etc.	7 33	
Small supplies	28 09	
		5,019 67

6,133 34

Malden bridge (from Charlestown to Everett).

Sheathed the draw, repaired deck and sheathing, wheels and shaft, wheel-rest, guard-rail and latch; also repaired concrete sidewalk.

Carpenters	\$96 50	
Lumber	74 60	
Nails	2 65	
Ironwork	90 17	
Bolts, etc.	57 26	
Plumbing	5 53	
Repairing concrete walk	32 25	
Spar for buoy	12 50	
		\$371 46

Regular expenses :

Draw-tenders	\$3,512 34	
Substitutes	202 29	

Carried forward, ... \$3,714 63 \$371 46 \$56,898 91

<i>Brought forward,</i>	\$3,714 63	\$371 46	\$56,898 91
Coal	36 70		
Gas	26 00		
Water	17 00		
Lubricating oil	4 50		
Ice	6 00		
Small supplies	2 56		
		3,807 39	
			4,178 85

Meridian-street bridge (from East Boston to Chelsea).

Repaired waterway, machinery on draw and re-set two buoys.

Carpenters	\$116 00		
Lumber	23 21		
Ironwork	40 94		
Repairing machinery	41 26		
Resetting buoys, shackles, etc.	265 47		
Signs	8 48		
		\$495 36	

Regular expenses:

Draw-tenders	\$4,224 03		
Substitutes	110 66		
Coal	23 00		
Gas	47 34		
Feed	117 22		
Water	10 00		
Horse-shoeing	40 75		
Pasturing horse	6 00		
Ice	9 00		
Lubricating oil	4 50		
Small supplies	19 93		
		4,612 43	
			5,107 79

Mt. Washington-avenue bridge (over Fort-Point channel).

Sheathed draw, patched deck, repaired sheathing, sidewalks, beams, machinery and water-pipes; painted draw-house.

Carpenters	\$223 76		
Painters	97 50		
Lumber	193 15		
Nails	9 75		
Ironwork	10 67		
Hardware	5 73		

<i>Carried forward,</i>	\$540 56	\$66,185 55
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<i>Brought forward,</i>	\$540 56	\$66,185 55
Paint-stock	12 70	
Plumbing	27 60	
		\$580 86

Regular expenses:

Draw-tenders	\$4,912 94	
Coal	32 55	
Gas	58 80	
Water	10 00	
Rent of land	60 00	
Ice	6 00	
Small supplies	15 95	
		5,096 24
		5,677 10

Neponset bridge (from Dorchester to Quincy).

Sheathed the draw, built new sidewalk, patched sheathing and repaired machinery.

Carpenters	\$88 50	
Lumber	111 03	
Nails	5 72	
Ironwork	274 72	
		\$479 97

Regular expenses:

Draw-tender	\$406 51	
Small supplies	33	
		406 84
		886 81

North Beacon-street bridge (from Brighton to Watertown).

Sheathed the draw.

Carpenters	\$8 00	
Lumber	12 93	
Nails	1 05	
		\$21 98

Regular expenses:

Draw-tender	76 32	
		98 30

North Harvard-street bridge (from Brighton to Cambridge).

Patched deck and sheathing.

Carpenters	\$14 75	
Lumber	17 39	
Nails	1 55	
		\$33 69

Regular expenses:

Draw-tender	372 59	
		406 28

Carried forward,

\$73,254 04

Brought forward,

\$73,254 04

Warren bridge (from Boston to Charlestown).
 Patched sheathing various places under thirteen orders, sheathed the draw twice, and repaired deck, fence, pier, stable floor and ladder; put in three trucks and repaired engines, machinery, trucks, concrete sidewalk, water-pipes, water-closet, iron fence, guard rails, and put in two new steel cables on the draw; also painted draw house.

Carpenters	\$420 33	
Painters	235 72	
Lumber	362 01	
Nails	37 53	
Ironwork	370 18	
Repairing machinery	136 73	
" trucks	286 40	
" engines	177 35	
Grate	16 02	
Steel cables	34 34	
Paint stock	27 38	
Plumbing	226 97	
Repairing concrete walk	13 62	
Doors	17 25	
Window glass	6 30	
		\$2,368 13

Regular expenses:

Draw-tenders.	\$5,613 99	
Substitutes	273 75	
Coal	709 12	
Gas	30 76	
Water	50 00	
Insurance on boiler	100 00	
Watering	450 00	
Ice	6 00	
Small supplies	35 65	
		7,269 27

9,637 40

Western-avenue bridge (from Brighton to Cambridge).

Sheathed the draw and patched deck and sheathing.

Carpenters	\$63 00	
Lumber	94 98	
Nails	9 30	
Ironwork	9 70	
Hardware	50	
		\$177 48

Carried forward,

\$177 48

\$82,891 44

<i>Brought forward,</i>	\$177 48	\$82,891 44
Regular expenses:		
Draw-tender	372 59	
		550 07

Western-avenue bridge (from Brighton to Watertown).

Sheathed the draw, repaired headers, latches, clamps, chain, and hand-wheel.

Carpenters	\$93 57	
Lumber	53 86	
Nails	12 06	
Ironwork	32 67	
Hardware	1 12	
		\$193 28

Regular expenses:

Draw-tender	\$76 32	
Small supplies	75	
		77 07

270 35

Winthrop bridge (from Breed's Island to Winthrop).

Patched deck and sheathing, Nails . \$13 50
 [Balance of material charged to special appropriation.]

Regular expenses:

Draw-tender	\$100 00	
Lanterns	3 42	
Kerosene oil	7 68	
		111 10

124 60

Sundry Expenditures on tide-water bridges.

Carpenters, sundry repairs,	\$119 84	
Oak lumber " "	136 61	
Hardware " "	9 43	
Car fares (mechanics) . .	150 00	
		\$415 88

Regular expenses:

Messenger	\$797 68	
Draw-tenders' books . .	66 42	
Stationery	10 16	
Mops	11 52	
Window brushes	12 90	
Scrubbing "	10 50	
Floor "	27 00	
Dusters	17 04	
Sponges	21 00	
Lanterns and globes . .	15 30	
Metal polish	8 00	

Carried forward, \$997 52 \$415 88 \$83,836 46

<i>Brought forward,</i>	\$997 52	\$415 88	\$83,836 46
Soap	18 15		
Waste	46 02		
Heavy brooms	8 80		
House "	13 00		
Padlocks	41 32		
Soapine	24 00		
Matches	5 50		
Salt, north bridges	15 60		
Salt, south "	7 20		
		1,177 11	
			1,592 99

Public landings.

Repairs.

Commercial wharf:

Labor	\$26 75	
Towage	10 00	
		\$36 75

Charles river:

Labor	16 50	
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Jeffries Point:

Labor	\$66 50	
Signs	5 35	
		71 85

\$125 10

Regular expenses:

East Boston:

Rent	250 00	
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375 10

Total expended on tide-water bridges . . . \$85,804 55

RECAPITULATION.

Table showing Expenditures on the Tide-water Bridges for the Year Feb. 1, 1896, to Jan. 31, 1897.

NAME OF BRIDGE.	Repairs, Labor, Lumber, Iron- work and Painting.	Regular Ex- penses, Sala- ries, Fuel and Supplies.	Total.
Broadway.....	\$4,068 74	\$6,096 89	\$10,165 63
Cambridge street.....	134 55	390 11	524 66
Charles river.....	252 06	5,671 38	5,923 44
Chelsea (North).....	114 16	4,624 82	4,738 98
Chelsea (South).....	283 07	4,797 61	5,080 68
Chelsea street.....	53 64	309 73	363 37
Commercial point.....		50 00	50 00
Congress street.....	2,492 14	6,739 25	9,231 39
Dover street.....	1,211 48	5,575 76	6,787 24
Essex street.....	268 24	711 21	979 45
Federal street.....	763 48	5,783 42	6,546 90
Granite.....	120 03	243 80	373 83
L street.....	1,113 67	5,019 67	6,133 34
Malden.....	371 46	3,807 39	4,178 85
Meridian street.....	495 36	4,612 43	5,107 79
Mt. Washington avenue.....	580 86	5,096 24	5,677 10
Neponset.....	479 97	406 84	886 81
North Beacon street.....	21 98	76 32	98 30
North Harvard street.....	33 69	372 59	406 28
Warren.....	2,368 13	7,269 27	9,637 40
Western avenue (to Cambridge)..	177 48	372 59	550 07
Western avenue (to Watertown)..	193 28	77 07	270 35
Winthrop.....	13 50	111 10	124 60
Sundry expenditures.....	415 88	1,177 11	1,592 99
Public landings.....	125 10	250 00	375 10
Totals.....	\$16,161 95	\$69,642 60	\$85,804 55

INLAND BRIDGES.

Albany-street bridge (over Boston and Albany Railroad).

Sheathed bridge, repaired sidewalk and iron fence, patched sheathing various times, patched deck and painted all ironwork.

Carpenters	\$458 12
Painters	657 15
Watchman	98 51
Lumber	335 62
Nails	12 81
Ironwork	2 40
Lag screws	5 00
Repairing iron fence	54 95
Mortar	6 00
Paint stock	109 85

\$1,740 41

Allston bridge (over Boston & Albany Railroad, at Cambridge street).

Patched sheathing.

Carpenters	\$9 50
Lumber	15 78
Nails	79

26 07

Ashland-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Patched sheathing.

Carpenters	\$5 00
Lumber	5 85
Nails	47

11 32

Beacon-street bridge (over Boston & Albany Railroad).

Repaired deck and sidewalk and sheathed the bridge.

Carpenters	\$78 63
Lumber	121 80
Nails	9 91
Bolts	1 00

211 34

Beacon-street bridge (over outlet).

Repaired sidewalk.

Carpenters	\$3 62
Nails	32

3 94

Carried forward,

\$1,993 08

Brought forward,

\$1,993 08

Berkeley-street bridge (over Boston & Albany Railroad).

Sheathed one roadway and painted bridge.

Carpenters	\$19 94
Painters	157 86
Lumber	30 08
Nails	2 05
Repairing painters' tools	3 20
Paint stock	10 94

224 07

Berkeley-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Sheathed roadway, patched deck, also patched sheathing six different times.

Carpenters	\$119 62
Lumber	394 50
Nails	25 08

539 20

Berwick Park (foot) bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Painted bridge.

Painters	\$164 31
Paint stock	19 00

183 31

Bolton-street bridge (over New England Railroad).

Repaired sidewalk.

Carpenters	1 25
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Boylston-avenue bridge (over Stony brook).

Patched sheathing three times.

Carpenters	\$16 38
Lumber	23 92
Nails	2 89

43 19

Boylston-street bridge (over Boston & Albany Railroad).

Patched sheathing.

Carpenters	7 00
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Broadway bridge (over Boston & Albany Railroad).

Sheathed roadway, repaired deck and patched sheathing.

Carpenters	\$15 25
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Carried forward,

\$15 25

\$2,991 10

<i>Brought forward,</i>	\$15 25	\$2,991 10
Lumber	9 70	
Nails	6 81	
		31 76

Brookline-avenue bridge (over Boston & Albany Railroad).

Sheathed one roadway.

Carpenters	\$16 50	
Nails	1 58	
		18 08

[Lumber to be paid for in 1897.]

Byron-street bridge (over Boston, Revere Beach and Lynn Railroad).

Laid new deck and sheathing.

Carpenters	\$117 48	
Lumber	250 19	
Nails	13 20	
		380 87

Central-avenue bridge (from Dorchester to Milton over Neponset river).

Patched deck, sheathing and sidewalk.

Carpenters	\$105 71	
Lumber	136 56	
Nails	5 80	
		248 07

Cohasset-street (culvert).

Laid new deck and sheathing.

Carpenters	\$41 01	
Lumber	71 28	
Nails	3 55	
		115 84

Columbus-avenue bridge (over Boston & Albany Railroad).

Sheathed both roadways, repaired sidewalks and guard rail.

Carpenters	\$75 34	
Lumber	95 77	
Nails	5 51	
Ironwork	7 21	
		183 83

Cornwall-street bridge (over Stony brook).

Sheathed the bridge.

Carpenters	\$15 00	
Lumber	47 99	
Nails	2 36	
		65 35

Carried forward,

\$4,034 90

Brought forward,

\$4,034 90

Cottage Farm bridge (over Boston & Albany Railroad at Commonwealth avenue).

Carpenters	\$22 00
Lumber	25 30
Nails	10 11
Use of telephone, etc.	3 70

61 11

Cottage-street (foot) bridge (over flats, East Boston).

Bridge-tender	\$747 36
Ice	6 00

753 36

Dartmouth-street bridge (over Boston & Albany, and Providence Division of New York, New Haven & Hartford Railroad).

Patched sheathing, paid for smoke fenders erected in 1895, and which were removed this year, also removed wooden ornaments.

Carpenters	\$20 00
Painters	2 50
Lumber	4 93
Nails	93
Erecting smoke fenders	362 14
Removing smoke fenders	30 90

421 40

Dorchester-street bridge (over New York, New Haven & Hartford Railroad, Plymouth Division).

Repaired sheathing, and cleaned ironwork under southerly sidewalk, and painted same two coats.

Painters	\$28 13
Paint stock	9 40
Repairing sheathing by Railroad Co.	2 64

40 17

Elmwood-street bridge (over Stony brook).

Sheathed the bridge.

Carpenters	\$7 38
Lumber	17 49
Nails	1 20

26 07

Ferdinand-street bridge (over Boston & Albany Railroad).

Sheathed roadway, patched deck and sheathing and painted bridge.

Carpenters	\$48 25
Painters	73 65

Carried forward,

\$121 90

\$5,337 01

<i>Brought forward,</i>	\$121 90	\$5,337 01
Nails	5 15	
Paint stock	21 68	
		148 73

[Lumber to be paid for in 1897.]

Hyde Park-avenue bridge (over Stony Brook).

Sheathed bridge, repaired fence and sheathing.

Carpenters	\$16 13	
Lumber	16 42	
Nails	1 92	
		34 47

Irvington street (foot) bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Cleaned bridge and painted same two coats.

[Part of stock taken from yard.]

Painters	\$29 38	
Paint stock	3 96	
		33 34

Jamaica street (culvert).

Patched sheathing.

Carpenters	\$1 25	
Lumber	5 28	
Nails	23	
		6 76

Keyes-street bridge (over Stony brook).

Sheathed the bridge, afterwards patched the same.

Carpenters	\$16 00	
Lumber	19 97	
Nails	2 27	
		38 24

Leyden-street bridge (over Boston, Revere Beach & Lynn Railroad).

Patched deck and sheathing.

Carpenters	\$25 97	
Lumber	60 47	
Nails	4 50	
		90 94

Linden Park-street bridge (over Stony brook).

Sheathed bridge, patched deck and sheathing.

Carpenters	\$65 33	
Lumber	62 69	
Nails	4 25	
		132 27

Carried forward,

\$5,821 76

Brought forward,

\$5,821 76

Longwood-avenue bridge (from Roxbury to Brookline).

Repaired deck and sheathing at five different times, afterwards laid new sheathing and repaired sidewalk.

Carpenters	\$106 00
Lumber	131 92
Nails	11 82
Teaming	1 50

251 24

Massachusetts-avenue bridge (over Boston & Albany Railroad).

Sheathed the roadways.

Carpenters	\$42 75
Lumber	106 10
Nails	10 80

159 65

Massachusetts-avenue bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Sheathed the roadways and painted bridge.

Carpenters	\$24 75
Painters	231 57
Lumber	67 38
Nails	5 80
Paint stock	24 96
Teaming	1 50

355 96

Roxbury Crossing (foot) bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Removed the bridge July 13, 1896.

Carpenters	\$21 00
Removing trusses	73 03
Teaming	10 00

104 03

Shawmut avenue bridge (over Boston & Albany Railroad).

Carpenters	\$7 50
Lumber	6 85
Nails	94

15 29

Swett-street bridge (west of New England Railroad).

Patched sheathing and repaired sidewalk.

Carpenters	\$18 00
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Carried forward,

\$18 00

\$6,707 93

<i>Brought forward,</i>	\$18 00	\$6,707 93
Lumber	41 59	
Nails	2 42	
		62 01
Swett-street bridge (east of New England Railroad).		
Repaired sidewalk.		
Carpenters		1 25
West Newton-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).		
Sheathed bridge.		
Carpenters	\$34 25	
Lumber	72 31	
Nails	4 50	
Teaming	4 50	
		115 56
West Rutland square (foot) bridge (over New York, New Haven & Hartford Railroad, Providence Division).		
Painted bridge.		
Painters	\$63 86	
Paint stock	19 36	
Repairing tools	3 85	
		87 07
Williams-street bridge (over Stony brook).		
Patched sheathing.		
Carpenters	\$3 00	
Lumber	15 64	
Nails	1 11	
		19 75
Sundry expenditures on Inland Bridges.		
Labor, on snow	\$640 34	
Labor, cleaning bridges	567 58	
Sand, for slippery walks	40 25	
Teaming sweepings	55 00	
Carpenters, sundry repairs	59 92	
Car fares, mechanics, sundry bridges	80 00	
		1,443 09
Total expended on Inland Bridges		<u><u>\$8,436 66</u></u>

RECAPITULATION.

*Table showing expenditures on the Inland Bridges for the Year
Feb. 1, 1896, to Jan. 31, 1897.*

Name of Bridge.	Repairs, Labor, Lumber, Ironwork, and Painting.
Albany street	\$1,740 41
Allston	26 07
Ashland street	11 32
Beacon street (over B. & A. Railroad)	211 34
Beacon street (over outlet)	3 94
Berkeley street (over B. & A. Railroad)	224 07
Berkeley street (over Providence Division)	539 20
Berwick park	183 31
Bolton street	1 25
Boylston avenue	43 19
Boylston street	7 00
Broadway (over B. & A. Railroad)	31 76
Brookline avenue	18 08
Byron street	380 87
Central avenue	248 07
Cohasset street (culvert)	115 84
Columbus avenue	183 83
Cornwall street	65 35
Cottage Farm	61 11
Cottage street	753 36
Dartmouth street	421 40
Dorchester street	40 17
Elmwood street	26 07
Ferdinand street	148 73
Hyde Park avenue	34 47
Irvington street	33 34
Jamaica street (culvert)	6 76
Keyes street	38 24
Leyden street	90 94
Linden Park street	132 27
Longwood avenue	251 24
Massachusetts avenue (over B. & A. Railroad)	159 65
Massachusetts avenue (over Providence Division), ...	355 96
Roxbury Crossing	104 03
Shawmut avenue	15 29
Swett street (west)	62 01
Swett street (east)	1 25
West Newton street	115 56
West Rutland square	87 07
Williams street	19 75
Sundry expenditures	1,443 09
Total	<u>\$8,436 66</u>

REGULAR MAINTENANCE EXPENSES AT NORTH AND SOUTH YARDS.

NORTH YARD, DISTRICT NO. 1.

Warren Bridge.

Messengers	\$1,003 72
Watchman	714 00
Tools for carpenters	63 70
Gas	23 07
Repairing steam apparatus	17 83
Telephone	156 00
Kerosene oil	14 00
Water	20 00
Ice	6 00
Plumbing	2 50
Red flags	13 25
Shovels	5 85
Hardware	7 19
Small supplies	15 03

\$2,062 14

STABLE, DISTRICT NO. 1.

Warren Bridge.

Teamster	\$780 00
Hostler	575 75
Stable boy	122 50
Feed	340 10
New buggy	185 00
Repairing wagon	16 30
Repairing sleigh	26 75
Repairing harness	12 00
Horseshoeing	63 00
Veterinary service	23 00
Horse-clipping	9 00
Fur robes	30 92
Blanket, whip, and weight	5 25
Insect powder	7 50
Small supplies	17 08

2,214 15

Total expended, North Yard and Stable . \$4,276 29

SOUTH YARD, DISTRICT NO. 2.

No. 45 Foundry Street.

Messengers	\$1,288 56
Watchman	742 00

Carried forward, ... \$2,030 56

<i>Brought forward,</i>	\$2,030 56
Yard and stock boys	740 50
Tools for carpenters	68 18
Tools for painters	166 44
Telephone	156 00
Hardware	6 70
Cordage	11 92
Coal	18 60
Water	10 00
Red flags	23 25
Ice	6 00
New stove and pipe	24 00
Shovels	16 47
Ice choppers	4 65
Street horses	12 83
Small supplies	54 46

\$3,350 56

STABLE, DISTRICT No. 2.

No. 64 Dorchester Avenue.

Teamster	\$792 50
Hostler	750 00
Stable boy	649 25
Feed	449 49
Repairing wagons	212 55
Repairing buggies	179 35
Repairing sleighs	86 25
Repairing vehicles by Sanitary Division,	400 60
Rent of stable	600 00
Coal	18 60
Veterinary service	189 43
Two new harnesses	113 00
Repairing harnesses	69 15
Clipping horses	38 00
Horseshoeing	333 75
Horse hire	13 85
Use of buggy	57 50
Second-hand buggy	100 00
New sleigh	150 00
New buggy	250 00
Bay mare	195 00
Bay gelding	130 00
Fur robes	37 07
Blanket, whip, and weight	7 88
Small supplies	107 15

5,930 37

Total expended, South Yard and Stable \$9,280 93

SPECIAL APPROPRIATIONS.

IN CHARGE OF BRIDGE DIVISION.

Charles-river bridge, draw, remodelling, etc.
(Boston to Charlestown).

Repaired deck and piling under paved roadway,
sheathed the draw twice, put in truck and re-
paired fence.

Carpenters	\$291 08
Spruce	247 46
Oak	39 13
Bolts, nuts, etc.	14 18
W. H. Ellis, repairing planking under roadway, etc.	1,925 27

Total expended Jan. 31, 1897	\$2,517 12
Balance	407 04

Appropriation	<u>\$2,924 16</u>
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Chelsea bridge (North) rebuilding draw, etc.,
(over North channel, Mystic river).

Made general repairs and additions to racks, shafts,
pinions, gears, etc., of the draw, preparatory to
the use of electric motor, and made extensive
repairs upon the waterway.

Contract with Augustus Bellevue & Co.:

Eighth and final estimate	\$4,561 80
Extra work done	255 48
	<u>\$4,817 28</u>

Setting rack, trolley-posts, etc., and re-
pairing float stage, fence and north
pier 548 02

Castings, rack, boxes, shafts, pinions,
etc. 934 77

Castings for counterbalance weights 59 00

Inspector 92 00

Repairing motor 103 88

Installing motor, etc. 279 74

Melting lead for ballast 6 60

Two mitre gears 50 00

Two spare axles with wheels 136 00

Painting track stringers 126 84

Express 3 90

Carpenters, on waterway 513 00

Lumber, on waterway 142 42

Repairing machinery 23 40

Resetting buoy 165 00

<i>Carried forward,</i>	<u>\$8,001 85</u>
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<i>Brought forward,</i>	\$8,001 85	
Ringbolts, repairing latches, etc.	39 00	
Car fares	25 00	
Elastic paint mixture	47 25	
Painting ten signs	118 00	
Total expended Jan. 31, 1897		\$8,231 10
Balance		5,030 54
Appropriation		\$13,261 64

Gold-street bridge (over New England Railroad).

Paid New England Railroad Company for flagmen while bridge was being placed in position	\$28 25	
Total expended Jan. 31, 1897		\$28 25
Balance		18,569 33
Appropriation		\$18,597 58

Meridian-street bridge, reconstructing draw
(from East Boston to Chelsea).

Rebuilt trusses of the draw, and repaired shores, piles, girder-caps, and fender-guard. Put in new deck on draw, sheathed the same, repaired waterway, pier, fence, concrete sidewalk, machinery and float stage, reset buoy and painted bridge and fence.

Carpenters	\$1,852 96	
Painters	1,631 36	
Spruce	790 64	
Hard pine	712 79	
Oak	23 80	
Nails	69 73	
Bolts, straps, plates, wedges, etc.	289 12	
Repairing machinery	52 50	
Repairing rack pinions, gear, etc.	75 88	
Ladders, rope, grindstones, wrenches, etc.	54 87	
Lead, oil, turpentine and japan	128 90	
Car fares	100 00	
Contract with W. H. Ellis, rebuilding trusses of the draw	2,025 96	
Driving piles, repairing fender-guard, etc.	731 18	
Resetting buoy, chain, etc.	125 00	
<i>Carried forward,</i>	\$8,664 69	

<i>Brought forward,</i>	\$8,664 69	
Repairing float stage	31 08	
Inspector	276 00	
Repairing concrete sidewalk	870 10	
Contract with Lockwood Manufacturing Co., for dynamo and machinery,	1,585 00	
Total expended Jan. 31, 1897		\$11,426 87
Balance		2,833 61
Appropriation		<u>\$14,260 48</u>

Reconstruction of Essex-street bridge (from Brighton to Cambridge).

[Work not completed.]

Contract with Wm. S. Rendle, making repairs, first approximate estimate,	\$4,688 70	
Specifications	31 10	
Advertising	25 63	
Inspector	224 00	
Total expended Jan. 31, 1897		\$4,969 43
Balance		1,530 57
Appropriation		<u>\$6,500 00</u>

AMOUNTS CHARGED TO SPECIAL APPROPRIATIONS IN CHARGE OF OTHER DIVISIONS.

Paid New York, New Haven & Hartford Railroad Company for the construction of railroad bridge over Geneva avenue, Dorchester, at Shawmut Branch.	
Charged to "Laying-Out and Construction of Highways"	<u>\$14,026 58</u>

Winthrop bridge (from Breed's Island to Winthrop).

Repaired damage to bridge caused by ice and the tide; also sheathed the bridge.

Contract with J. N. Hayes & Co., making repairs, driving piles, etc.	\$1,519 92	
Inspector	144 00	
Carpenters	105 26	
Lumber	253 02	

Charged to Saratoga street, filling solid old bridge,	<u>\$2,022 20</u>
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Huntington avenue bridge (over Boston & Albany Railroad).

Stripped the bridge, flattened the curve on top of roadway and sidewalk girders and stringers, put in new deck on roadway, and sidewalks of hard pine, laid new asphalt sidewalks, sheathed the bridge, built new fence, and cleaned all iron and painted same with two coats of red lead.

Painters	\$1,510 86	
Paint, oil-mixer, red lead, oil, etc.	241 29	
Repairing painters' tools	18 80	
Contract with Wm. L. Miller, stone-work, hard pine roadways, sidewalks, etc.	4,358 00	
Contract with Boston Bridge Works, work on girders	2,646 99	
Contract with Boston Asphalt Co., asphalt sidewalks	635 25	
Services of flagman	117 00	
Car fares	25 00	
Repairing sheathing, carpenters	\$11 25	
Lumber	23 24	
Teaming	5 00	
		39 49
Contract with Wm. L. Miller, removing archway at Chestnut-Hill Reservoir		\$9,592 68
Charged to Blue Hill and other avenues		\$10,466 68

Cottage Farm Bridge (over Boston & Albany Railroad at Commonwealth avenue).

Completed new bridge.

Advertising	\$55 75	
Portland cement	2,968 40	
Hard brick	47 25	
Hollow brick	20 00	
Sand	405 00	
Bolts (150)	20 42	
Inspector	330 00	
Covering steel beams with lead	1,647 00	
Pieces stone (16)	227 96	
Contract with Metropolitan Construction Co. laying brick arches and concrete filling	3,041 48	
Contract with A. C. Richmond, placing 124 steel beams	1,900 00	
<i>Carried forward,</i>		\$10,663 26

<i>Brought forward,</i>	\$10,663 26	
Repairing old bridge, carpenters	\$51 63	
Lumber	117 26	
		168 89
Building temporary fence, carpenters	\$53 25	
Lumber	46 35	
		99 60
Charged to Commonwealth avenue (old appropriation)		<u>\$10,931 75</u>
Cottage Farm bridge (over Boston & Albany Railroad at Commonwealth avenue).		
Completed new bridge.		
Sand, gravel and screenings	\$611 60	
Hollow brick and skews	756 00	
Portland cement	1,917 60	
Rods (616)	87 20	
Contract with Metropolitan Construction Co., laying brick arches and concrete filling, southerly section	2,243 15	
Contract with E. B. Badger & Son, covering 91 steel beams with lead	955 50	
Contract with A. C. Richmond, extension of abutment, resetting parapet stone and placing filling back of abutment	2,937 38	
Contract with Boston Bridge Works, steel superstructure, southerly section	2,400 00	
Contract with Boston Asphalt Company Sicilian rock asphalt, northerly roadway	1,751 68	
Sicilian rock asphalt, southerly roadway	1,707 86	
Artificial stone sidewalk and curbing, ...	864 85	
Setting stone bearing blocks, resetting parapet, northerly abutment, recutting stone for beams and removing old parapet	276 28	
Charged to Commonwealth avenue (new appropriation)		<u>\$16,509 10</u>
Public Landing, Jeffries Point (East Boston).		
Built new landing.		
Carpenters	\$180 00	
<i>Carried forward,</i>	\$180 00	

<i>Brought forward,</i>	\$180 00
Lumber	89 38
Two old masts	70 00
Nails	2 26
Bolts, hinges, clamps, etc.	76 02
Charged to Street Improvements, Wards 1 and 2	<u>\$417 66</u>

Public Landing, Jeffries' Point (East Boston).

Built new landing.	
Putting in foundation, placing old ferry drop on same and driving guide piles for float.	
Charged to Street Improvements, New Ward 2.	<u>\$300 00</u>

Broadway Bridge (over Fort Point channel).

Removed deck, sheathing and sidewalk, put in new beams of hard pine, and deck of kyanized spruce, sheathed the draw with spruce, laid sidewalks of hard pine, built two new sets of stairs, from draw to pier, of hard pine, boxed around trusses with cypress. Painted centre, chords and iron beams with red lead, also painted fence and draw-house. [Part of mechanics labor charged to regular appropriation.]

(Work not completed.)

Carpenters	\$1,792 18
Painters	617 70
Kyanized spruce	635 50
Spruce	133 00
Hard pine	152 98
Surveying kyanized spruce	8 09
Iron clamps, bolts, wedges, dogs and repairing painters' hangers	45 50
Repairing iron fence	197 20

Charged to Street Improvements, New Ward 13,	<u>\$3,582 15</u>
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Savin Hill-avenue bridge (over New York, New Haven & Hartford Railroad, Plymouth Division).

Paid New York, New Haven & Hartford Railroad Company for making repairs, city's part or two-fifths.	\$43 72

Charged to Street Improvements, Ward 20	<u>\$43 72</u>
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Everett-street bridge (over Boston & Albany Railroad).

Sheathed the bridge.

Carpenters	\$108 38
Lumber	327 36
Teaming	20 00

 \$455 74
Cottage Farm bridge (over Boston & Albany Railroad at Commonwealth avenue).

Completed new bridge.

Inspector	\$415 00
Sand and screenings	308 80
Portland cement	881 25
Pier column	44 00
Contract with A. C. Richmond, removing old bridge and placing 91 beams,	1,400 00
Contract with Cape Ann Granite Co. for parapet and bearing courses, southerly section	2,125 00

 5,174 05

Charged to Street Improvements, Ward 25 . . .

 \$5,629 79

Paid award of Committee on Claims to John P. Donovan, for personal injuries received Dec. 3, 1895, on Mt. Washington-avenue bridge . . .

\$150 00

Paid execution of court to James O. Stone, for personal injuries received June 4, 1894, on Broadway bridge, over Boston & Albany Railroad . .

1,201 35

Paid execution of court to Nathaniel P. Doane *et al.*, for damage to tug "Nellie," Nov. 18, 1893, at Chelsea (North) bridge

 3,062 59

Charged to Reserved Fund . . .

 \$4,413 94

LIST OF BOSTON BRIDGES.

I. — BRIDGES WHOLLY SUPPORTED BY BOSTON.

[In the list those marked with an asterisk (*) are over navigable waters, and are each provided with a draw.]

In charge of Bridge Division.

- Allston, over Boston & Albany Railroad at Cambridge street, Brighton.
- Ashland street, over N. Y., N. H. & H. Railroad, Providence Division, West Roxbury.
- Athens street, over New England Railroad.
- Baker street, at Brook farm, West Roxbury.
- Beacon street, over outlet to Back Bay Fens.
- Beacon street, over Boston & Albany Railroad.
- Berkeley street, over Boston & Albany Railroad.
- Berkeley street, over N. Y., N. H. & H. Railroad, Providence Division.
- Berwick-park (foot) bridge, over N. Y., N. H. & H. Railroad, Providence Division.
- Blakemore street, over N. Y., N. H. & H. Railroad, Providence Division.
- Bolton street, over New England Railroad.
- Boylston avenue, over Stony brook, West Roxbury.
- Boylston street, over Boston & Albany Railroad.
- *Broadway, over Fort-Point channel.
- Broadway, over Boston & Albany Railroad.
- Brookline avenue, over Boston & Albany Railroad.
- Byron street, over Boston, Revere Beach & Lynn Railroad.
- *Charles river, from Boston to Charlestown.
- *Chelsea (South), over south channel, Mystic river.
- *Chelsea street, from East Boston to Chelsea.
- Columbus avenue, over Boston & Albany Railroad.
- *Commercial Point, or Tenean, Dorchester.
- *Congress street, over Fort-Point channel.
- Cornwall street, over Stony brook, West Roxbury.
- Cottage Farm, over Boston & Albany Railroad, at Commonwealth avenue.
- Cottage-street foot-bridge, over flats, East Boston.
- Dartmouth street, over Boston & Albany, and Providence Division of N. Y., N. H. & H. Railroad.
- *Dover street, over Fort-Point channel.
- Elmwood street (private way), over Stony brook, Roxbury.
- *Federal street, over Fort-Point channel.
- Ferdinand street, over Boston & Albany Railroad.
- Florence street, over Stony brook, West Roxbury.
- Gold-street foot-bridge, over New England Railroad.

Huntington avenue, over Boston & Albany Railroad.
Hyde Park avenue, over Stony brook, West Roxbury.
Irvington-street foot bridge, over N. Y., N. H. & H. Railroad,
Providence Division.
Keyes street, over Stony brook, West Roxbury.
*L street, over reserved channel at junction of Congress and L
streets.
Leyden street, over Boston, Revere Beach & Lynn Railroad.
Linden Park street, over Stony brook, Roxbury.
*Malden, from Charlestown to Everett.
Massachusetts avenue, over Boston & Albany Railroad.
Massachusetts avenue, over N. Y., N. H. & H. Railroad, Provi-
dence Division.
*Meridian street, from East Boston to Chelsea.
*Mt. Washington avenue, over Fort-Point channel
Shawmut avenue, over Boston & Albany Railroad.
Swett street, east of New England Railroad.
Swett street, west of New England Railroad.
Texas street, over Stony brook, Roxbury.
*Warren, from Boston to Charlestown.
West Newton street, over N. Y., N. H. & H. Railroad, Provi-
dence Division.
West Rutland-square foot-bridge, over N. Y., N. H. & H. Rail-
road, Providence Division.
Williams street, over Stony brook, West Roxbury.
Winthrop, from Breed's Island to Winthrop.

In charge of Park Department.

Agassiz, in Back Bay Fens.
Arborway, over Stony brook.
Audubon road, over Boston & Albany Railroad.
Bernier-street (foot-bridge), in the Riverway.
Boylston-street, in Back Bay Fens.
Bridle path, in the Riverway, over Muddy river.
*Castle-island (foot bridge), from Marine park, South Boston, to
Castle Island.
Charlesgate, Back Bay Fens, over Boston & Albany Railroad.
Circuit drive, over Scarboro' pond, in Franklin Park.
Commonwealth avenue, in Back Bay Fens.
Ellicott arch, in Franklin park.
Fen, Back Bay Fens.
Forest Hills entrance, in Franklin park.
Leverett-pond (foot-bridge), in Leverett park.
Neptune road, over Boston, Revere Beach & Lynn Railroad.
Scarboro' pond (foot-bridge), in Franklin park.
Stony brook, Back Bay Fens.

In charge of Public Grounds Department.

Public Garden (foot-bridge).

II. — BRIDGES OF WHICH BOSTON SUPPORTS THE PART WITHIN ITS LIMITS.

In charge of Bridge Division.

- *Cambridge street, from Brighton to Cambridge.
- Central avenue, from Dorchester to Milton.
- *Chelsea (North), from Charlestown to Chelsea.
- *Essex street, from Brighton to Cambridge.
- *Granite, from Dorchester to Milton.
- †Longwood avenue, from Roxbury to Brookline.
- Mattapan, from Dorchester to Milton.
- Milton, from Dorchester to Milton.
- *Neponset, from Dorchester to Quincy.
- *North Beacon street, from Brighton to Watertown.
- *North Harvard street, from Brighton to Cambridge.
- Spring street, from West Roxbury to Dedham.
- *Western avenue, from Brighton to Cambridge.
- *Western avenue, from Brighton to Watertown.

In charge of Park Department.

- Bellevue street, in the Riverway, over Muddy river.
- Bernier-street (foot-bridge), in the Riverway, over Muddy river.
- Brookline avenue, in the Riverway, over Muddy river.
- Tremont street, in the Riverway, over Muddy river.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

In charge of Bridge Division.

- Albany street, over Boston & Albany Railroad.
- Chelsea bridge, over Boston & Maine Railroad.
- Dorchester street, over N. Y., N. H. & H. Railroad, Plymouth Division.
- Everett street, over Boston & Albany Railroad, Brighton.
- West Fourth street, over N. Y., N. H. & H. Railroad, Plymouth Division.

In charge of Commissioners of Cambridge Bridges.

- *Canal, from Boston to Cambridge.
- *Harvard, from Boston to Cambridge.
- *Prison Point, from Charlestown to Cambridge.
- *West Boston, from Boston to Cambridge.

IV. — BRIDGES SUPPORTED BY RAILROAD CORPORATIONS.

1st. — Boston & Albany Railroad.

- Harrison avenue.
- Market street, Brighton.
- Tremont street.
- Washington street.

†To be rebuilt and maintained by Park Departments of Boston and Brookline by Act of Legislature.

2d.—Boston & Maine Railroad, Eastern Division.

Mystic avenue.

Main street.

3d.—Boston & Maine Railroad, Western Division.

Mystic avenue.

Main street.

4th.—Boston, Revere Beach & Lynn Railroad.

Everett street.

5th.—New England Railroad.

Dorchester avenue.

Harvard street, Dorchester.

Morton " "

Norfolk " "

Norfolk " "

Silver street.

Washington street, Dorchester.

West Broadway.

West Fifth street.

West Fourth street.

West Second street.

West Sixth street.

West Third street.

6th.—New York, New Haven & Hartford Railroad, Plymouth Division.

Adams street.

Ashmont street and Dorchester avenue.

Cedar Grove Cemetery.

Freeport street.

Savin Hill avenue.

7th.—New York, New Haven & Hartford Railroad, Providence Division.

Beach street, West Roxbury.

Bellevue street, West Roxbury.

Canterbury street, West Roxbury.

Centre and Mt. Vernon streets, West Roxbury.

Dudley avenue, West Roxbury.

Park street, West Roxbury.

RECAPITULATION OF BRIDGES.

I. Number wholly supported by Boston :		
In charge of Bridge Division	54	
In charge of Park Department	17	
In charge of Public Grounds Department	1	
	—	72
II. Number of which Boston supports the part within its limits :		
In charge of Bridge Division	14	
In charge of Park Department	4	
	—	18
III. Number of which Boston pays a part of the cost of maintenance :		
In charge of Bridge Division	5	
In charge of Commissioners of Cambridge Bridges	4	
	—	9
IV. Number supported by railroad corporations :		
1. Boston & Albany	4	
2. Boston & Maine, Eastern Division . .	2	
3. “ “ Western Division	2	
4. Boston, Revere Beach & Lynn. . . .	1	
5. New England	13	
6. New York, New Haven & Hartford, Plymouth Division	5	
7. New York, New Haven & Hartford, Providence Division	6	
	—	33
Total number		132

List of Small Bridges or Culverts having Wooden Tops, which are repaired by Bridge Division.—Walls repaired and Openings cleaned by Sewer Division.

LOCATION.	Span, <i>Feet.</i>	Height of Opening, <i>Feet.</i>	Length, <i>Feet.</i>	Side-walls,	Covering,
Asbland street and Canterbury, near Calvary Cemetery, West Roxbury..	7.6	5.5	75	Stone	Wood.
Beech street, near Anawan avenue, at Central station, West Roxbury	4.0	4.0	50	Stone	Wood.
Cass street, near Spring-street station, West Roxbury	7.0	3.0	21	Stone	Wood.
Cohasset street, Roslindale	14.0	7.5	60	Stone	Wood.
Gardner street, near Cow Island, West Roxbury	5.0	5.5	33	Wood	Wood.
Jamaica street, Jamaica Plain	10.0	4.0	39	Stone	Wood.
Park street, west of Dorchester avenue, Dorchester	5.0	3.7	50	Stone	Wood.
Park street, west of N. Y., N. H. & H. Railroad, Dorchester	8.5	5.0	50	Stone	Wood.
Powell street, near Spring-street station, West Roxbury	12.0	3.0	65	Stone	Wood.
Spring street, near Spring-street station, West Roxbury	2.7	2.7	63	Stone	Wood.
Summer street, near Spring-street station, West Roxbury	4.0	4.5	40	Stone	Wood.
Williams street, at Stony Brook, West Roxbury	5.0	5.0	50	Wood	Wood.
Woodman street, Jamaica Plain	6.3	4.0	65	Stone	Wood.

PUBLIC LANDING-PLACES.

The following public landing-places have been built by the city, and are maintained and controlled by the Street Department:—

Charles-river Bridge.—Size, 40 × 60. Built in 1890. Moored from city's property.

Essex-street Bridge.—Size, 9 × 23. Built in 1890. Moored from city's property.

East Boston, Public Landing.—Size, 18 × 30. Built in 1893. Moored at dock of East Boston Dry Dock Company. Dock and flats leased at \$250 per year.

Commercial Wharf.—Size, 30 × 50. Built by M. F. Sullivan; contract dated Jan. 1, 1892. Moored at dock of Commercial Wharf Corporation. Dock and flats leased Nov. 30, 1891, at \$1,000 per year.

Federal-street Bridge.—Size, 20 × 30. Built by M. F. Sullivan, Oct. 26, 1892. Moored from city's property.

CABLE-HOUSES AND BOXES.

The following is a list of cable-houses and boxes on bridges in charge of this division:—

New England Telephone and Telegraph Company:

Charles-river bridge, 2 houses, 1 unused box.

Chelsea [South] bridge, 1 house.

Congress-street bridge, 2 houses.

Dover-street bridge, 2 houses or boxes.

Chelsea [North] bridge, 1 box.

Chelsea-street bridge, 1 box.

Malden bridge, 4 boxes.

Meridian-street bridge, 2 boxes.

Neponset bridge, 2 boxes on poles.

Warren bridge, 2 boxes.

American Telephone and Telegraph Company:

Federal-street bridge, 1 house.

Merchants' Telegraph Company:

Congress-street bridge, 2 boxes.

Postal Telegraph Cable Company:

Congress-street bridge, 2 houses.

Malden bridge, 2 boxes.

Warren bridge, 2 boxes.

Boston Electric Light Company:

Congress-street bridge, 2 boxes.

West End Street Railway Company:

Cambridge-street bridge, 1 house.

Dover-street bridge, 1 house, 1 box.

Federal-street bridge, 2 houses.

Malden bridge, 2 houses.

Warren bridge, 2 houses.

Lynn & Boston Railroad Company:

Chelsea [North] bridge, 4 boxes.

Chelsea [South] bridge, 8 boxes.

Boston Police Department:

Chelsea [South] bridge, 1 box.

Malden bridge, 2 boxes.

Boston Fire Department:

Chelsea [North] bridge, 1 box.

Dover-street bridge, 1 house, 1 box.

Meridian-street bridge, 2 boxes.

Warren bridge, 2 boxes.

On Warren bridge there are also five small boxes; the owners of the same are unknown.

**Statement of Traffic on Wednesday, Oct. 28, 1896, between the
Hours of 6 A.M. and 7 P.M.**

North Bridges.

NAME OF BRIDGE.	Foot passengers from Boston.	Foot passengers to Boston.	Teams from Bos- ton.	Teams to Bos- ton.	Street cars from Boston.	Street cars to Boston.	Passengers in cars from Bos- ton.	Passengers in cars to Boston.
Charles river.....	5,280	4,770	2,350	2,175				
Chelsea (North)....	1,270	1,137	807	862	343	338	8,080	7,193
Chelsea (South)....	1,702	1,936	861	1,075	343	338	9,390	9,119
Malden	590	683	812	792	328	351	8,460	8,395
Meridian street...	2,079	2,132	590	656	125	121	1,424	1,549
Warren.....	4,047	5,121	2,585	3,203	1,122	1,132	30,452	34,941

South Bridges.

Broadway	9,940	9,600	2,035	2,215	93	91	1,860	1,820
Congress street....	5,463	5,257	2,470	2,560				
Dover street.....	3,974	4,895	745	912	162	172	4,033	4,124
Federal street.....	6,570	3,950	1,718	1,572	498	497	9,621	11,348
L street.....	855	985	98	322				
Mt. Washington avenue	1,592	1,789	717	850				

DRAW-TENDERS' REPORTS.¹

Giving the number of Vessels passing through the Drawbridges controlled by the City of Boston, from Feb. 1, 1896, to Jan. 31, 1897.

NAME OF BRIDGE.	STEAMERS.			SAILING VESSELS.			TUGS.			ALL OTHERS.			TOTAL NUMBER OF VESSELS.			Total Number of Cargoes.	Total Number of Openings.
	By Day.	By Night.	Total.	By Day.	By Night.	Total.	By Day.	By Night.	Total.	By Day.	By Night.	Total.					
Broadway	16	6	22	2,086	996	3,082	2,010	348	2,358	658	232	890	4,770	1,582	6,352	1,925	4,547
Cambridge street .....	.....	.....	.....	123	10	133	533	39	572	204	13	217	860	62	922	160	538
Charles river	32	7	39	2,167	690	2,857	3,329	792	4,121	1,987	547	2,534	7,515	2,036	9,551	2,611	6,531
Chelsea (North)	108	51	159	983	186	1,169	3,724	649	4,373	1,830	399	2,229	6,645	1,385	7,930	1,484	5,243
Chelsea (South)	36	3	39	1,201	59	1,260	2,625	123	2,748	896	18	914	4,758	203	4,961	1,286	3,794
Chelsea street	6	.....	6	29	1	30	147	16	163	99	6	105	281	23	304	39	166
Commercial Point .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congress street	209	83	292	3,189	1,075	4,264	6,987	1,360	8,347	2,441	618	3,059	12,896	3,136	15,962	3,440	8,539
Dover street	14	6	20	1,976	895	2,871	1,792	354	2,146	555	186	741	4,337	1,441	5,778	2,080	4,573
Essex street	4	.....	4	225	13	238	642	43	685	276	19	295	1,147	75	1,222	196	709
Federal street	12	5	17	2,291	1,102	3,393	2,426	515	2,941	692	391	1,083	5,421	2,013	7,434	2,249	5,736
Granite street .....	.....	.....	.....	60	4	64	234	6	240	54	1	55	348	11	359	58	211
L street	10	8	18	540	190	730	2,255	301	2,556	967	161	1,123	3,772	660	4,432	641	3,149
Malden	4	.....	4	306	46	352	1,264	120	1,384	827	134	961	2,401	300	2,701	617	1,731
Meridian street	36	15	51	610	43	653	3,615	776	4,391	1,667	287	1,954	5,928	1,121	7,049	1,530	4,671

Mt. Washington avenue.....	70	18	88	2,621	1,079	3,700	4,358	808	5,426	1,739	545	2,304	9,008	2,510	11,518	2,971	6,505
Neponset.....	.....	.....	.....	62	4	66	237	13	250	57	3	60	356	20	376	60	229
North Beacon street.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Harvard street.....	.....	.....	.....	86	6	92	265	14	279	67	5	72	418	25	443	75	289
Warren.....	34	8	42	1,385	935	2,320	2,235	772	3,007	1,508	635	2,143	5,162	2,350	7,512	2,143	5,055
Western avenue to Cambridge.....	.....	.....	.....	105	9	114	422	29	451	149	9	158	676	47	723	129	468
Western avenue to Watertown.....	.....	.....	.....	36	.....	36	99	3	102	44	1	45	179	4	183	23	123
Totals.....	591	210	801	20,081	7,343	27,424	39,399	7,141	46,540	16,737	4,210	20,947	76,808	18,904	95,712	23,717	62,857

¹ West Boston, Prison Point, Canal (or Craigie's), and Harvard bridges, not included in these tables, being in the care of commissioners representing the two cities (Boston and Cambridge) connected by these bridges.

Table showing the widths of Openings for Vessels in all Bridges provided with Draws in the City of Boston, Jan. 31, 1897.

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Boston & Maine R.R., Eastern Division.....	Boston to Charlestown..	1	39 feet 8 inches.
Boston & Maine R.R., Eastern Division.....	Over Miller's river.....	1	35 " 6 "
Boston & Maine R.R. (freight), Southern Division.....	Boston to East Cambridge.....	1	40 " 2 "
Boston & Maine R.R. (passenger), Southern Division.....	" "	1	39 " 7 "
Boston & Maine R.R., Western Division.....	Boston to Charlestown..	1	39 " 7 "
Boston & Maine R.R., Western Division.....	Over Miller's river.....	1	35 " 10 "
Broadway.....	Over Fort Point channel	1	43 " 3 "
Cambridge street.....	Brighton to Cambridge..	1	36 " 4 "
Canal (or Craigie's).....	Boston to East Cambridge.....	1	36 " 1 "
Charles river.....	Boston to Charlestown..	1	36 " 0 "
Chelsea (south channel).....	Charlestown to Chelsea.	1	38 " 9 "
Chelsea (north channel).....	" "	1	44 " 10 "
Chelsea st. (East Boston side)..	East Boston to Chelsea.	2	36 " 0 "
Chelsea street (Chelsea side)...	" "	..	36 " 0 "
Commercial point (or Tenean).	Dorchester.....	1	24 " 0 "
Congress street (Boston side)...	Over Fort Point channel	2	43 " 3 "
" (South Boston side)	" "	..	43 " 9 "
Dover street.....	" "	..	36 " 10 "
Essex street.....	Brighton to Cambridge..	1	35 " 9 "
Federal street.....	Over Fort Point channel	1	41 " 10 "
Fitchburg R.R.....	Boston to Charlestown..	1	36 " 0 "
Fitchburg R.R. (for teaming freight).....	" "	1	36 " 0 "
Grand Junction R.R.....	Brighton to Cambridge.	1	35 " 9 "
" ".....	East Boston to Chelsea..	1	34 " 6 "
Granite.....	Dorchester to Milton....	1	36 " 0 "

Table showing Width of Openings, etc.—*Concluded.*

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Harvard (Boston side).....	Boston to Cambridge....	2	36 feet 6 inches
“ (Cambridge side).....	“ “	..	36 “ 10 “
L street.....	Over Reserved channel, South Boston.....	1	40 “ 0 “
Malden.....	Charlestown to Everett.	1	43 “ 2 “
Meridian st. (East Boston side),	East Boston to Chelsea.	2	59 “ 2 “
“ (Chelsea side).....	“ “ ..	59	“ 0 “
Mt. Washington avenue (Boston side).....	Over Fort Point channel	2	42 “ 3 “
Mt. Washington avenue (South Boston side).....	“ “ ..	42	“ 3 “
Neponset.....	Dorchester to Quincy...	1	36 “ 0 “
New England R.R. (Boston side),	Over Fort Point channel	2	41 “ 8 “
New England R.R. (South Boston side).....	“ “ ..	40	“ 8 “
New England R.R.	Over South Bay.....	1	28 “ 4 “
North Beacon street.....	Brighton to Watertown.	1	30 “ 2 “
North Harvard street.....	Brighton to Cambridge.	1	36 “ 0 “
New York, New Haven & Hartford R.R.	Over Fort Point channel	1	36 “ 4 “
New York, New Haven & Hartford R.R.....	Dorchester to Quincy...	1	36 “ 0 “
Prison point.....	Charlestown to Cambridge.....	1	36 “ 0 “
Warren.....	Boston to Charlestown..	1	36 “ 0 “
West Boston (Boston side)....	Boston to Cambridge....	2	35 “ 6 “
“ (Cambridge side).	“ “	..	36 “ 6 “
Western avenue.....	Brighton to Cambridge.	1	36 “ 0 “
“	Brighton to Watertown.	1	35 “ 10 “

Table showing Width of Bridges, kind of Roadways, Sidewalks, etc., on Tide-water Bridges, Jan. 31, 1897.

NAME OF BRIDGE.	Width of Bridge.	ROADWAY.		SIDEWALKS.		
		Width.	Kind of roadway.	No.	Width.	Kind of walks.
	<i>Ft. In.</i>	<i>Ft. In.</i>			<i>Ft. In.</i>	
Broadway	60 0	40 0	Plank	2	10 0	Coal-tar concrete.
Cambridge street.....	40 0	32 2	"	1	6 0	Plank.
Canal	64 0	48 0	Paved	2	8 0	Brick.
Charles river.....	50 0	34 0	"	2	8 0	"
Chelsea, North.....	49 0	40 0	"	1	8 0	Coal-tar concrete and plank.
" South.....	50 3	41 2	"	1	8 0	Plank.
" street.....	30 0	23 2	Plank	1	6 0	"
Commercial point.....	about 34 0	about 27 0	"	0		
Congress street.....	60 0	44 0	Paved	2	8 0	Coal-tar concrete.
Dover st. (over water)	60 0	40 0	"	2	10 0	Asphalt.
Essex street.....	31 0	22 8	Plank	1	7 6	Plank.
Federal street.....	69 0	49 0	Paved	2	10 0	Asphalt.
Granite.....	30 2	24 4	Plank	1	5 0	Plank.
Harvard.....	69 4	51 0	"	2	9 2	Asphalt.
L street	60 0	44 0	Paved	2	8 0	"
Malden	40 0	32 0	"	1	7 0	Coal-tar concrete.
Meridian street.....	50 0	36 0	"	2	7 0	" "
Mt. Washington ave..	61 0	39 6	"	2	10 9	" "
Neponset	30 0	23 10	Plank	1	5 5	Plank.
North Reacon street...	31 0	25 2	"	1	5 0	"
North Harvard street..	28 2	26 7	"	0		
Prison Point.....	50 0	36 0	{ Plank part } { Paved part }	2	7 0	Coal-tar concrete.
Warren.....	80 0	60 0	Paved	2	10 0	" "
Western ave. to Cambridge	33 2	26 3	Plank	1	6 0	Plank.
Western ave. to Watertown	33 0	24 2	"	1	8 0	"
Winthrop	24 2	19 10	"	1	3 7	"
West Boston.....	50 0	36 0	Paved	2	7 0	Brick.

DRAW-TENDERS' REPORTS.¹
 Giving the Number of Vessels passing through the Drawbridges controlled by the City of Boston during the Years 1892,
 1893, 1894, 1895 and 1896.

NAME OF BRIDGE.	STEAMERS.					SAILING VESSELS.					TUGS.					ALL OTHERS.					TOTAL NUMBER OF VESSELS.					TOTALS.
	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	
Broadway	8	8	6	16	22	3,118	2,959	2,800	3,115	3,082	1,709	1,840	1,935	2,279	2,358	626	664	795	816	890	5,461	5,471	5,536	6,226	6,352	29,046
Cambridge street..	...	...	...	...	...	226	149	109	150	133	733	608	523	599	572	269	186	205	181	217	1,238	943	837	930	922	4,870
Charles river	29	30	34	45	39	2,800	2,690	2,503	2,815	2,857	2,834	3,175	2,942	3,641	4,121	2,010	2,352	2,271	2,492	2,534	7,693	8,247	7,750	8,993	9,551	42,234
Chelsea (North)....	35	57	66	115	159	717	898	1,141	985	1,169	2,899	3,422	3,841	4,662	4,373	1,205	1,697	1,631	2,383	2,229	4,856	6,074	6,679	8,155	7,930	33,694
Chelsea (South)....	85	80	51	31	39	1,037	1,130	850	847	1,200	2,923	2,540	1,810	2,275	2,748	986	1,328	1,083	984	914	5,061	5,078	3,794	4,137	4,961	23,001
Chelsea street.....	...	...	6	...	...	4	14	57	24	30	36	35	159	105	163	14	20	116	41	105	54	69	338	170	304	935
Commercial Point.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	.....	1	.....	.....	4	.....	2	.....	.....	6
Congress street....	208	361	277	383	292	4,806	4,671	4,080	4,174	4,294	7,647	7,411	7,626	7,886	8,347	2,834	2,694	2,850	2,838	3,059	15,675	15,137	14,823	15,281	15,962	76,888
Dover street.....	10	6	6	16	20	2,537	2,415	2,355	2,804	2,871	1,505	1,574	1,557	1,999	2,146	544	618	711	712	741	4,616	4,613	4,629	5,621	5,778	25,257
Essex street.....	13	23	4	...	4	247	180	134	158	238	704	717	639	721	685	287	218	244	242	205	1,251	1,138	1,021	1,121	1,222	5,753
Federal street.....	10	9	6	16	17	3,295	3,199	3,017	3,366	3,393	2,044	2,231	2,261	2,666	2,941	646	703	816	848	1,083	5,905	6,142	6,100	6,896	7,434	32,567

Draw-Tenders' Reports. — *Concluded.*

NAME OF BRIDGE.	STEAMERS.					SAILING VESSELS.					TUGS.					ALL OTHERS.					TOTAL NUMBER OF VESSELS.					TOTALS.
	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	1892	1893	1894	1895	1896	
Granite street.	...	...	...	...	...	91	109	82	126	64	184	237	220	306	240	19	24	37	41	55	204	370	339	473	359	1,835
L street.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15,206
Malden.	3	5	8	2	4	215	260	360	273	352	979	1,107	1,226	1,619	1,384	473	478	574	1,236	961	1,670	1,850	2,168	3,130	2,701	11,519
Meridian street.	74	44	47	58	51	851	771	846	818	653	3,351	3,736	4,030	4,046	4,301	1,432	1,746	2,088	2,031	1,954	5,708	6,297	7,011	6,953	7,049	33,018
Mt. Washington avenue.	70	79	87	69	88	3,923	3,822	3,432	3,699	3,700	5,094	4,741	4,782	5,119	5,426	2,199	2,089	2,246	2,229	2,304	11,286	10,731	10,547	11,116	11,518	55,198
Neponset.	...	...	...	...	...	193	131	105	148	66	198	244	224	306	250	...	31	40	47	60	391	406	369	501	376	2,043
No. Beacon street.	1	1	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	4	2	...	...	...	6
No. Harvard street.	...	...	...	...	...	120	54	64	96	92	272	131	168	224	279	39	36	36	35	72	431	221	268	355	443	1,718
Warren.	17	7	63	47	42	2,796	2,655	2,081	2,312	2,320	1,940	1,983	2,124	2,588	3,007	1,470	1,520	1,699	2,007	2,143	6,223	6,165	5,967	6,954	7,512	32,821
Western avenue to Cambridge.	...	...	...	...	...	211	132	95	115	114	619	481	426	485	451	228	137	153	136	158	1,068	750	676	736	723	3,943
Watertown avenue to Watertown.	1	...	...	...	...	12	6	7	...	36	15	18	28	7	102	...	14	20	7	45	28	38	55	14	183	318
Totals.	654	710	667	800	801	27,319	26,245	24,797	26,666	27,424	35,709	36,222	39,275	44,665	46,540	15,285	16,555	19,151	21,434	20,947	78,967	79,742	83,890	93,565	95,712	431,876

¹ West Boston, Prison Point, Canal (or Cragie's) and Harvard Bridges not included in these tables, being in the care of commissioners representing the two cities (Boston and Cambridge) connected by these bridges.

APPENDIX B.

REPORT OF DEPUTY SUPERINTENDENT OF FERRY
DIVISION.

NORTH FERRY, EAST BOSTON, Feb. 1, 1897.

Mr. BENJ. W. WELLS, *Superintendent of Streets* :

DEAR SIR: I respectfully submit the annual report of the expenditures, income, and operations of the Ferry Division of the Street Department for the financial year ending Jan. 31, 1897.

Respectfully yours,

WILLIAM F. MCCLELLAN,
Deputy Superintendent.

FINANCIAL STATEMENT.

REGULAR APPROPRIATIONS.

Appropriation for year ending Jan. 31, 1897		\$218,000 00
Transfers for an illuminated clock at North Ferry, Boston side, viz.:		
From special appropriation for awning	\$257 06	
From special appropriation for South Drop, South Ferry, Boston side	96 09	353 15
Total appropriation		\$218,353 15
Amount of expenditures	\$217,999 95	
Amount for illuminated clock at North Ferry	353 15	
Amount transferred to Street Cleaning Division	05	
		<u>\$218,353 15</u>

OBJECTS OF EXPENDITURE.

Salaries and wages, running expenses	\$130,091 68
Salaries and wages, repairs	16,172 74
Fuel	29,803 55
Current expenses	19,028 49
Carried forward,	<u>\$195,096 46</u>

<i>Brought forward,</i>	\$195,096 46
Supplies for running expenses	5,696 80
Supplies for repairs	3,996 77
Repairs on boats	9,232 76
Repairs on buildings, piers and drops	3,226 05
Tools and fixtures	956 76
Incidental expenditures	102 50
Damages to persons and property	45 00
Transfer to Street Cleaning Division	05
	\$218,353 15

SPECIAL APPROPRIATIONS.

Appropriation for awning at North Ferry, East Boston	\$1,000 00
Less amount transferred to regular appropriation for illuminated clock	257 06
	\$742 94
Appropriation authorized for new ferry landing	\$500,000 00
Amount issued	30,000 00
Total available special appropriations	\$30,742 94

OBJECTS OF EXPENDITURE.

Special Appropriations.

Awning at North Ferry, East Boston	\$742 94
John M. Brooks, contract for building two tanks for drops	3,500 00
William McKie, contract for building one ferry drop	4,165 00
William McKie, contract for building second ferry drop	4,122 50
W. H. Ellis & Co., contract for repairing middle pier, Boston landing, South Ferry	1,802 15
Charles I. Albee, contract for one special hoisting motor, with all appliances for hauling teams up ferry drop	838 00
Sundry bills	7,533 96
Total expenditures, special appropriations	\$22,704 55
Balance unexpended	8,038 39
	\$30,742 94

Total appropriations	\$218,353 15	
	30,742 94	
		\$249,096 09
Total expenditures		241,057 70
Balance unexpended of special appropriations		\$8,038 39

INCOME.

Cash Receipts from Feb. 1, 1896, to Feb. 1, 1897.

At office of City Collector:

For rent	\$2,572 00
re-imbursed damages	700 00
free ferries July 4, 1896	25 00
sales of foot-passes	432 00
“ “ team tickets	77 50

At Ferry Division office:

For old material sold	37 85
For sales of foot-passes	856 70
For sales of team tickets	533 00

From Tollmen:

For 11,703,349 foot-passengers at 1c.	117,033 49
team tickets	27,442 00

From Gatemen:

For 248,080 foot-passengers at 1c.	2,480 80
teams	14,889 18

Total receipts for the year		\$167,079 52
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STATEMENT SHOWING RECEIPTS AT EACH FERRY.

North Ferry.

	From Tollmen.	Foot-passengers, at 1 cent.	Team Tickets.	Total.
No. 2.....		\$11,813 05	\$1,807 00	\$13,620 05
“ 3.....		11,401 27	1,891 50	13,292 77
“ 5.....		11,798 21	2,069 00	13,867 21
“ 6.....		11,359 45	1,777 50	13,136 95
“ 9.....		11,722 71	1,902 00	13,624 71
“ 10.....		11,797 16	1,812 50	13,609 66
“ 13.....		12,399 88	1,652 00	14,051 88
		\$82,291 73	\$12,911 50	\$95,203 23

From Gatemen:

For 141,516 foot-passengers at 1c.	\$1,415 16
For teams	5,792 36
	\$7,207 52

Total at North Ferry		\$102,410 75
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South Ferry.

From Tollmen.		Foot-passengers, at 1 cent.	Team Tickets.	Total.
No.	1.....	\$8,127 56	\$3,423 00	\$11,550 56
"	4.....	7,920 18	3,401 00	11,321 18
"	7.....	8,386 82	3,653 50	12,040 32
"	8.....	8,049 66	3,686 00	11,735 66
"	11.....	1,012 80	94 50	1,107 30
"	12.....	1,244 74	272 50	1,517 24
		\$34,741 76	\$14,530 50	\$49,272 26

From Gatemmen:

For 106,564 foot-passengers, at 1c. . \$1,065 64

For teams 9,096 82

\$10,162 46Total at South Ferry \$59,434 72

North and South Ferries, as above \$161,845 47

Tickets at office of City Collector 509 50

Tickets at office of Ferry Division 1,389 70

Rent 2,572 00

Damages, old material and free ferries, July 4 762 85

Total receipts for year 1896 \$167,079 52

CASH STATEMENT.

*From Feb. 1, 1896, to Feb. 1, 1897.**Dr.*To cash received \$167,079 52*Cr.*

By amount paid City Collector . . \$167,056 74

By amount rejected money 11 39

By balance on hand 11 39

\$167,079 52

STATEMENT OF THE RECEIPTS.

From April 1, 1870 (date of purchase by the City of Boston of the East Boston Ferries), to Feb. 1, 1897.

Cash received for tolls from April

1, 1870, to Feb. 1, 1893 . . . \$3,779,486 03

Carried forward,\$3,779,486 03

<i>Brought forward,</i>	3,779,486 03	
Cash received for tolls from Feb. 1, 1893, to Feb. 1, 1894 . . .	149,388 61	
Cash received for tolls from Feb. 1, 1894, to Feb. 1, 1895 . . .	152,950 04	
Cash received for tolls from Feb. 1, 1895, to Feb. 1, 1896 . . .	166,307 33	
Cash received for tolls from Feb. 1, 1896, to Feb. 1, 1897 . . .	163,769 67	
		\$4,411,901 68
Cash received for rent . . .	\$42,371 30	
Cash received for old boats . . .	15,246 71	
Cash received for old material, etc.	9,061 98	
		66,679 99
Total receipts for 26 years 10 months . . .		<u><u>\$4,478,581 67</u></u>

CASH STATEMENT.

*From April 1, 1870, to Jan. 31, 1897.**Dr.*

To receipts from all sources	<u><u>\$4,478,581 67</u></u>
--	------------------------------

Cr.

By amount paid City Collector . . .	\$4,477,897 97	
By cash with tollmen and gate-men as capital	608 00	
By counterfeit and rejected money in 26 years and 10 months . . .	64 31	
By balance on hand	11 39	
		<u><u>\$4,478,581 67</u></u>

EXPENDITURES.

From March 4, 1857, to April 1, 1870.

Amount charged to the East Boston ferries by Auditor previous to purchase:

For avenues . . .	\$250,000 00	
For repairs . . .	65,815 68	
		\$315,815 68
For ferry property, purchased April 1, 1870	276,375 00	
		\$592,190 68
From April 1, 1870, to Feb. 1, 1893, . . .	\$5,214,551 71	
From Feb. 1, 1893, to Feb. 1, 1894, . . .	249,370 65	
		<u><u>\$5,463,922 36</u></u>
<i>Carried forward,</i>		<u><u>\$592,190 68</u></u>

<i>Brought forward,</i>	5,463,922 36	\$592,190 68
From Feb. 1, 1894, to Feb. 1, 1895,	224,441 04	
From Feb. 1, 1895, to Feb. 1, 1896,	221,813 94	
From Feb. 1, 1896, to Feb. 1, 1897,	241,057 70	
		6,151,235 04
		\$6,743,425 72

DEDUCT.

Amount paid to City Treasury	4,477,897 97
Net cost of ferries to city to date, not including interest on loans	\$2,265,527 75

STATEMENT SHOWING THE ACTUAL STANDING OF FERRY
DIVISION, STREET DEPARTMENT, WITH THE CITY OF BOSTON,
FEB. 1, 1897.

Dr.

Amount paid previous to April 1, 1870	\$592,190 68
Amount paid from April 1, 1870, to Feb. 1, 1897, as follows:	
Seven new ferry steamers	371,956 04
New piers, buildings and drops	379,818 35
Fuel	916,232 60
Repairs of all kinds	664,539 28
Salaries and wages	2,939,147 12
Tools and fixtures	12,877 44
Land from Lincoln wharf in 1887	5,562 52
Land from Battery wharf in 1893	10,000 00
All other expenses	851,101 69
	\$6,743,425 72

Cr.

By amount paid the city for income	\$4,477,897 97
“ amount charged to ferry property for avenues that were laid out as streets, August, 1880, and which should be credited to this division,	250,000 00
“ paving avenues	11,530 84
“ amount received for rents previous to Jan. 1, 1881, by Department of Public Buildings, and should be credited to this division	60,277 56
“ estimated value of seven ferry steamers	\$188,175 53
“ less 6 per cent for depreciation, ...	11,290 53
	176,885 00
<i>Carried forward,</i>	4,976,591 37

<i>Brought forward,</i>		\$4,976,591 37
By estimated value of real estate and franchise as per last re- port	\$627,600 00	
" added for improvement during year	21,900 00	
		649,500 00
" value of awning, North ferry, East Boston . .		742 94
" new ferry landing, not yet charged off . . .		61 61
" land from Lincoln wharf		5,562 52
" land from Battery wharf		10,000 00
" estimated value of tools and fixtures . . .		6,000 00
" estimated value of fuel on hand		5,798 52
" estimated value of supplies for maintenance .		361 91
" estimated value of supplies for repairs . . .		3,092 90
" amount expended on Eastern-avenue wharf .		1,499 46
" cash with employees as capital		608 00
" cash on hand		11 39
" transfer to Street-Cleaning Division . . .		05
" profit and loss for 26 years 10 months . . .		1,083,595 05
		<u>\$6,743,425 72</u>

STATEMENT SHOWING THE DIFFERENCE OF TRAVEL ON THE
FERRIES FROM FEB. 1, 1896, TO FEB. 1, 1897.

	<i>North.</i>	<i>South.</i>
Foot passengers, at 1 cent each	8,229,173	3,474,176
Foot passengers by ticket	82,871	47,267
	<u>8,312,044</u>	<u>3,521,443</u>
One-horse teams	218,078	203,144
Two-horse teams	76,254	122,600
Three-horse teams	3,403	4,547
Four-horse teams	4,623	9,165
Two-horse carriages and hacks	5,238	2,672
Two-cent toll (at gate) handcarts, etc. . . .	4,175	4,146
Four-cent toll	118,729	188,527
Six-cent toll	3,608	4,781
Seven-cent toll	2	3
Eight-cent toll	7,865	12,587
Ten-cent toll	454	886
Thirteen-cent toll	471	643
Fifteen-cent toll	31	28
Twenty-cent toll	1	—
Thirty-cent toll	8	8
Free teams	3,824	1,407
Free foot	32,086	910

Total Travel on both Ferries from Jan. 1, 1891, to Feb. 1, 1897.

	(13 mos.) 1891.	From Feb. 1, 1892, to Feb. 1, 1893.	From Feb. 1, 1893, to Feb. 1, 1894.	From Feb. 1, 1894, to Feb. 1, 1895.	From Feb. 1, 1895, to Feb. 1, 1896.
One-horse teams.....	727,170	689,978	665,967	690,427	676,294
Two-horse teams.....	228,287	219,354	202,323	204,667	248,291
Three-horse teams.....	4,639	6,547	7,573	6,242	9,095
Four-horse teams.....	14,273	13,180	16,641	14,503	16,939
Two-horse carriages and hacks,	19,189	17,598	16,340	16,236	10,349
Two-cent tolls for hand-carts, etc.....	7,196	6,632	6,250	5,726	7,059
Drag-wheels, etc.....	62	85	88	57	101
Foot-passengers	11,686,505	11,095,832	10,988,027	11,281,321	11,929,790

From Feb. 1, 1896, to Feb. 1, 1897.

Foot passengers, at 1 cent each, toll and gate and ticket	12,081,567
Two-cent tolls	8,321
Four-cent tolls	307,256
Six-cent tolls	8,389
Seven-cent tolls	5
Eight-cent tolls	20,452
Ten-cent tolls	1,340
Thirteen-cent tolls	1,114
Fifteen-cent tolls	59
Twenty-cent tolls.	1
Thirty-cent tolls	16
One-horse pleasure carriages	61,170
Two-horse pleasure carriages	7,910
One-horse teams	365,052
Two-horse teams	198,854
Three-horse teams	7,950
Four-horse teams	13,788
Free teams	5,231
Free foot	32,996

TICKET STATEMENT.

Foot-passes outstanding Feb. 1, 1896	187,777
Foot-passes sold during the year	128,870
Foot-passes delivered on requisitions to other divisions	7,200
	323,847
Received and destroyed during this year . .	130,138
Outstanding Feb. 1, 1897	193,709

Team Tickets.

	1-Horse.	2-Horse.	3-Horse.	4-Horse.
Outstanding Feb. 1, 1896.....	51,533	30,135	1,986	4,344
Sold during the year.....	367,888	199,968	7,974	14,380
Delivered on requisitions....	2,080	304		
	421,501	230,407	9,960	18,724
Received and destroyed during the year.....	365,052	198,854	7,950	13,788
Outstanding Feb. 1, 1897.....	56,449	31,553	2,010	4,936

Pleasure Carriage Tickets.

	1-Horse.	2-Horse.
Outstanding Feb. 1, 1896.....	14,129	2,828
Sold during the year.....	62,500	7,860
Delivered on requisitions.....	760	
	77,389	10,688
Received and destroyed during the year.....	61,170	7,910
Outstanding Feb. 1, 1897.....	16,219	2,778

APPENDIX C.

REPORT OF DEPUTY SUPERINTENDENT OF
PAVING DIVISION.

ROOM 44, CITY HALL, BOSTON, Feb. 1, 1897.

MR. BENJ. W. WELLS, *Superintendent of Streets*:

DEAR SIR: I respectfully submit my annual report of the expenditures and income of the Paving Division of the Street Department for the financial year ending Jan. 31, 1897, showing the nature of the work, the number and variety of permits issued, and the details of expenditures involved in paving, macadamizing, and regulating the various streets.

Respectfully yours,

JOHN L. KELLY,

Deputy Superintendent.

The following table shows the amount expended for maintenance of the Paving Division and from special appropriations derived from loans for the last six (6) years, not including the cost of street-watering, to be found on another page:—

	Maintenance.	Specials.	Totals.
1891 (13 months) ..	\$872,936 40	\$1,014,324 26	\$1,887,260 66
1892.....	915,460 99	962,889 09	1,878,350 08
1893.....	745,681 52	707,801 49	1,453,483 01
1894.....	715,608 62	839,713 78	1,555,322 40
1895.....	683,899 42	823,011 70	1,506,911 12
1896.....	628,675 46	1,755,176 71	2,383,852 17

There was appropriated for the maintenance of this division during the year the sum of \$630,000.

The large amount of money expended under special appropriations in 1896 was due to the construction of the street surfaces on the boulevards, a large part of which was done this year.

The Paving Division has charge of the following work:—

The maintenance of street surfaces and sidewalks.

The placing of street signs.

The numbering of buildings.

The issuing of permits to open or occupy the streets, or for such other purpose as may be required under the ordinances.

The removal of snow and ice from the streets, gutters and plank walks.

The cleaning of streets in the outlying sections of the city not covered by the Street-Cleaning Division.

The division is in charge of a deputy superintendent, with office in City Hall, and with a clerical force under the direction of a chief clerk.

The outdoor working force of the division is divided into ten districts, each in charge of a foreman, as follows:—

- No. 1, South Boston.
- No. 2, East Boston.
- No. 3, Charlestown.
- No. 4, Brighton.
- No. 5, West Roxbury.
- No. 6, Dorchester.
- No. 7, Roxbury.
- Nos. 8, 9, 10, City Proper.

The Permit Office is an important branch of the work of the division, and is in charge of a clerk, the outdoor force of inspectors being under a Superintendent of Inspectors. During the past year 11,239 permits for street openings were issued, and 229 $\frac{7}{10}$ miles of trench opened. The importance of the work of this office can be readily seen from the fact that dependent on its vigilance is the proper maintenance of the surfaces of streets where openings have been made. In case of trench openings, an inspector is assigned on the work, and his time charged to the corporation. Service and repair openings are regularly inspected, and, in case of settlement or improper paving, the companies are notified; and if work is not properly attended to, the department replaces the pavement, and a bill is sent to the company responsible for the defect.

The inspectors also look after the permits for the occupancy of streets for building purposes, and see to it that proper fences and walks are placed as called for by the permit.

In addition to street permits, there were issued by this division permits for various other purposes to the number of 16,882.

No opening in the street can be made except by permit. These permits are collected by the police, and returned to the office. A change was instituted this year in the method of returning emergency permits. Formerly, in case of gas leak, water break or other causes requiring immediate action, the companies were allowed to make the opening, showing a general emergency permit to the police, and making their own returns to the office. This year a form of emergency permit was issued, for which the companies pay, and, in case of opening, give up to the police a permit with date and location filled in by themselves. In this way, the openings are better regulated, and there is no possibility of a street being disturbed without authority.

The work of placing street signs has this year been very considerably increased from the fact that, owing to the redistricting

of the city wards, many of the signs bearing the ward numbers required to be changed.

The cost of the removal of snow and ice is charged to the regular maintenance appropriation. I believe it would be advisable that a separate appropriation be made for this work, so that a comparison made from year to year of the cost of the maintenance of the streets would have some value. Under the present system, a comparison of figures is of little value, as the item for the removal of snow may vary many thousands of dollars from one year to another.

At the present time the department is running with a smaller appropriation for maintenance than at any time since the consolidated department was organized, although there is a greater amount of streets to be cared for. The practice of appropriating \$25,000 for each ward for so-called ward improvements—meaning work of a more or less permanent nature—is in some respects an improper one, for the reason that, without regard to the size or character of the ward, the amount appropriated is the same; and with the small maintenance appropriation and the large amount of work oftentimes to be done in one ward with \$25,000, it is not possible to do the work in the most thorough and economical manner. Macadam streets, in districts where conditions have so changed that the maintenance of a macadam roadway is exceedingly expensive, are reconstructed of the same material, for the reason that sufficient funds for granite or asphalt paving are not available. Thus the cost in a series of years is excessive.

A large loan should be authorized for thoroughly repaving certain sections of the city, and the tax-payers would be the great gainers in the end. In cities where the residential portions are almost exclusively asphalted, the maintenance cost is comparatively small; whereas in Boston, the residential sections of the city, even to the very edge of the downtown district being macadam, the condition is always more or less unsatisfactory, and the expense of maintenance comparatively enormous. If the ordinances were enforced with regard to heavy loads on teams, and the wagons were compelled to have a broader tire, the life of our macadam roads would be somewhat longer.

Great attention has been given this year to the stone-crushing plants, and two new ones have been established and paid for out of the regular maintenance money. This is an important feature of the Paving Division work, and from the city crushers nearly all the stone required on the streets is furnished. This insures a good quality of stone at a reasonable price, and makes it possible to maintain the labor of the division on a permanent basis, as in winter a large portion of the force can be worked in the ledges and are immediately available for snow and street-cleaning work. The labor force of the division for the year 1896 has been in the neighborhood of 900 men constantly employed.



CENTRE-STREET CRUSHER—WEST ROXBURY.

Certain of the stables are in need of repairs and additions, as a larger proportion of the teaming might be done with city teams if accommodations were provided for the horses.

FINANCIAL STATEMENT.

REGULAR APPROPRIATION.

Appropriation for 1896-97		\$630,000 00
Amount collected by City Collector for repairs made by Paving Division for different com- panies, etc.		2,472 85
		\$632,472 85
Amount of expenditures from Feb. 1, 1896, to Jan. 31, 1897,	\$628,675 46	
Transferred to Street Cleaning Division	2,961 85	
Transferred to Boston and Cam- bridge bridges	835 54	
		\$632,472 85

Objects of Expenditure from the Regular Appropriation, Classified by Districts, from Feb. 1, 1896, to Jan. 31, 1897.

DISTRICTS.	Repairs.	Show.	Edgestones, Sidewalks, and Crossings.	Fences and Plank-walks.	A. Miscellaneous.	B. Executions of Court.	C. In Excess of Special Appropriation.	D. New Work.	Total.
1. South Boston.....	\$10,287 23	\$6,087 75	\$7,377 59	\$1,635 52	.....	.....	.....	.....	\$25,388 09
2. East Boston.....	13,132 89	4,222 30	5,001 92	357 39	.....	.....	\$856 70	.....	23,571 20
3. Charlestown.....	11,149 01	6,301 40	3,909 27	546 11	.....	.....	.....	.....	21,605 79
4. Brighton.....	56,019 66	1,106 00	2,613 91	777 62	.....	.....	18,678 69	.....	79,195 88
5. West Roxbury.....	44,579 47	6,604 30	1,730 34	1,631 32	.....	.....	5,080 75	.....	59,626 18
6. Dorchester.....	75,842 35	4,464 80	10,711 25	1,494 26	.....	.....	219 36	.....	92,732 02
7. Roxbury.....	66,509 42	5,816 23	15,552 07	2,296 68	.....	.....	2,026 03	.....	92,200 43
8, 9, 10. City proper..	69,685 52	34,138 29	19,315 67	2,358 69	.....	.....	9,586 42	\$4,822 69	139,907 28
					\$93,606 68	.....	.....	.....	93,606 68
Totals.....	\$247,203 55	\$68,741 07	\$66,212 02	\$11,097 59		\$541 91	.....	.....	541 91
					\$93,606 68	\$541 91	\$36,447 95	\$4,822 69	\$628,675 46

A. See Schedule A for items. B. See Schedule B for items.

C. This schedule shows amount of money spent in excess of the special appropriation, and taken from the maintenance appropriation; for items, see Schedule C and Special Appropriations.

D. This schedule shows street where the repairs have exceeded \$2,000; for items, see Schedule D.

FINANCIAL STATEMENT.

SPECIAL APPROPRIATIONS, PAVING AND STREET IMPROVEMENTS.

Amounts of balances 1895-96, less transfers	\$328,437 53	
Amount of appropriations, 1896-97	869,690 40	
		\$1,198,127 93
Amount of expenditures		877,095 90
Balance unexpended		<u>\$321,032 03</u>

TOTAL EXPENDITURES.

Maintenance appropriation	\$628,675 46
Special appropriations	877,095 90
Laying out and construction of highways	174,961 88
Blue Hill and other avenues	703,118 93
Grand total	<u>\$2,383,852 17</u>

INCOME.

Statement showing the amount of bills deposited with the City Collector from Feb. 1, 1896, on account of the Paving Division:

Edgestone and sidewalk assessments	\$14,348 33
Miscellaneous	2,615 85
	<u>\$16,964 18</u>

The amount paid into the city treasury during the year on account of the Paving Division is as follows:

Sidewalk construction assessments (law of 1892),	\$38,256 89
Edgestone and sidewalk assessments (law of 1893), ...	\$14,127 46
Miscellaneous	\$2,615 85
	<u>\$55,000 20</u>

SCHEDULE A.

EXPENDITURES. (Details.)

Salaries of Paving Division office, Feb. 1, 1896, to Jan. 31, 1897	\$13,348 74
Salaries of Permit Office, Feb. 1, 1896, to Jan. 31, 1897	16,772 56
Salaries of engineers, Feb. 1, 1896, to Jan. 31, 1897	2,878 38
Advertising in and subscribing for daily papers	421 21
Horses, carts and harnesses	8,330 36
Printing and stationery	2,518 54
Repairing stables, sheds, etc.	3,249 20
Stock and supplies not included elsewhere	6,863 79
Sundries	11,008 61
Street signs and numbering	718 59
Telephones, expenses of	1,702 08
Tools, cost of keeping the same in repair, etc.	11,871 36
Construction of Centre-street crusher	7,976 38
Construction of Bleiler's crusher	5,946 88
	\$93,606 68

SCHEDULE B.

EXECUTIONS OF COURT, ETC.

Bennett, William H., settlement of claim	\$41 91
Casey, Michael, personal injuries	125 00
Clarke, Cordelia B., personal injuries	350 00
White, Sophie E., personal injuries	25 00
	\$541 91

SCHEDULE C.

The following schedule shows the expenditure from the maintenance appropriation of this division in excess of special appropriations:

Bennington and Walley streets.

In excess of special appropriation \$856 70

Bigelow street, between Faneuil and Brooks streets.

In excess of special appropriation 6,356 36

Washington street, between Fairbanks street and Oak square.

In excess of special appropriation 10,485 53

Carried forward \$17,698 59

<i>Brought forward</i>	\$17,698 59
Elmira street , between Murdock and Aetna streets.	
In excess of special appropriation	696 30
Leicester street , between Washington and Surrey streets.	
In excess of special appropriation	488 40
Rockland street , between Washington and Chestnut Hill avenue.	
In excess of special appropriation	652 10
Canterbury street.	
In excess of special appropriation	613 50
Center street , between Spring street and Dedham line	
In excess of special appropriation	1,299 07
Howland street , entire length.	
In excess of special appropriation	995 56
Sycamore street.	
In excess of special appropriation	245 90
Walk Hill street , Harvard street to Mt. Hope Cemetery.	
In excess of special appropriation	139 20
Corey street between Weld and Montview streets.	
In excess of special appropriation	229 07
Lamartine street , between Green and Paul Gore streets.	
In excess of special appropriation	55 13
Boylston street , between Washington street to Boylston avenue.	
In excess of special appropriation	285 29
Creighton street.	
In excess of special appropriation	454 17
Weld street , between Arnold and Ruskin streets.	
In excess of special appropriation	763 86
Norfolk street , between Elizabeth and Walk Hill streets.	
In excess of special appropriation	219 36
Island street.	
In excess of special appropriation	536 53
Massachusetts avenue , between Swett and Albany streets.	
In excess of special appropriation	186 58
<i>Carried forward</i>	\$25,558 61

<i>Brought forward</i>	\$2,464 40
Steam roller	200 00
Flagging	163 28
Gravel and sand	238 06
Stone	1,756 65
	\$8,422 69

DETAIL OF EXPENDITURES MADE UNDER SPECIAL
APPROPRIATIONS.

Bennington and Walley streets, filled, plank sidewalks laid.	
Labor	\$2,419 04
Teaming	1,347 00
Filling	7,876 80
Gravel	1,568 93
Lumber	233 30
Nails	17 61
Advertising	7 20
	\$13,469 88

Amount of appropriation for Bennington and Walley streets	\$11,924 90
Amount paid out of Street Improvements, Ward 1	688 28
Amount paid out of Paving Division	856 70
	\$13,469 88

Centre street, Dorchester, reconstruction (work unfinished).	
Labor	\$545 10
Teaming	316 00
Advertising	6 00
	\$867 10

Columbus avenue, Massachusetts avenue to Northampton street, asphalted. Area 1,327 square yards.	
Labor	\$1,179 90
Teaming	358 00
Gravel	175 10
Sand	480 40
Paving	151 14
Amount paid to J. J. Sullivan:	
3,624 square yards excavation, at 25 cents	906 00
Amount paid to Barber Asphalt Paving Co.:	
1,327.4 square yards asphalt, at \$2.90	3,849 46
	\$7,100 00
Amount of special appropriation	\$7,100 00

Commonwealth avenue, construction.

Labor, including engineering and inspection.	\$14,094 80
Teaming	16,848 50
Stone	30,086 09
Gravel	5,933 00
Filling	774 50
Loam	5,859 60
85,315 gutter blocks	3,369 94
250 feet flagging	145 74
682 4-12 feet straight edgestone	423 16
340 7-12 feet circular edgestone	442 76
23 large corners	128 80
Carting edgestone	13 40
Fuel	757 61
Lumber	433 24
Hardware, nails, hammers and shovels	134 67
Steam drills	123 79
Repairing engine and boiler	289 81
Metal coating	87 50
Oil	123 44
Water for crusher	26 60
Repairing crusher platform	60 00
Executions of Court	14,631 69
Steam rolling	1,637 00
Planing machine	120 00
Use of engine	39 75
Watering cart	100 00
Sundries	70 36

Amount paid to James Grant & Co.:

603 square yards block paving laid	\$150 75
1,894 square yards barrel paving laid	662 90
892 feet edgestone set	71 36
23 square yards crossings laid	5 75

 \$890 76

Less 9 days' use of steam roller, at \$15.00 135 00

 755 76

	\$97,511 51
Work done by Bridge Division	32,732 90
Work done by Sewer Division	226 92

 \$130,471 33

Congress and L streets.

Work done by the Sewer Division	\$7,608 17
---	------------

Eleanor and Ridgemont streets, Ward 25, resurfaced, sidewalks built.

Labor	\$98 10
Advertising	12 75
	\$110 85

Elmira street, Ward 25, graded and macadamized. Length, 340 feet; area, 982 square yards.

Labor	\$440 60
Teaming	148 00
Filling	291 00
Gravel	113 90
Advertising	6 50
Stone	696 30
	\$1,696 30

Amount of appropriation for Elmira

street \$1,000 00

Amount paid out of Paving Division . 696 30

\$1,696 30

Franklin street, Ward 25 (work unfinished).

Labor	\$73 60
Teaming	12 00
Advertising	13 88
	\$99 48

Hanover street, between Charter and Tileston streets, asphalted, area, 923 square yards.

Length, 315 feet.

Labor	\$946 75
Teaming	585 00
Gravel and sand	190 88
75 ft. edgestone and 2 small corners	53 20
25,000 paving bricks	237 50
Flagging	10 44
Blocks	77 18
Pebbles	81 11
Paving	161 16
Masonry	42 00
Templets	16 28
Advertising	16 25

Amount paid to Boston Asphalt Co.

923.4 square yards Sicilian rock asphalt on concrete base, including granite block brows, at \$3.00 2,770 20

Carried forward \$5,187 95

<i>Brought forward</i>	\$5,187 95
Amount retained from Boston Asphalt Co.	138 51
	\$5,049 44

Amount of appropriation for Hanover street	\$3,827 66
Amount paid out of Street Improvements, Ward 6	1,221 78
	\$5,049 44

Leicester street, between Washington and Surrey streets, graded, macadamized, sidewalks built. Length, 413 feet; area, 1,193 square yards.

Labor	\$1,063 85
Teaming	674 00
Gravel	69 70
Steam drilling	70 50
Advertising	12 75
Stone	567 60
Steam roller	30 00
	\$2,488 40

Amount of appropriation for Leicester street	\$2,000 00
Amount paid out of Paving Division	488 40
	\$2,488 40

McLellan street, Old road to White street, macadamized, sidewalks built, four catch basins built.

Labor	\$745 20
Teaming	1,018 00
Gravel	114 84
Stone	1,195 59
Steam roller	140 00
Lumber	62 31
Advertising	8 00
	\$3,283 94

Work done by the Sewer Division	772 90
	\$4,056 84

Orleans street, Maverick street to Gove street, repaved. Length, 258 feet; area, 917 square yards.

Labor	\$857 90
Flagging	144 00

Carried forward \$1,001 90



QUINCY STREET, CHARLESTOWN—SHOWING ARTIFICIAL STONE
RETAINING WALLS, STEPS AND PLATFORMS.

<i>Brought forward</i>	\$1,001 90
Crossing blocks	540 00
Teaming	499 00
Stone	340 00
Gravel	357 65
Advertising	5 00

Amount paid to Ward & Conlin:	
243 feet edgestone set	\$19 44
1,392.9 square yards block paving laid	348 23
197.3 " " brick "	35 51
	403 18
	\$3,146 73

Amount of appropriation for Orleans street	\$2,578 80
Amount paid out of street improvements, Ward 2	567 93
	\$3,146 73

Quincy street, Ward 4, laying out and construction, including granolithic stone steps. (Now St. Martin street.)

Labor	\$4,437 76
Teaming	603 00
Stone	275 80
Gravel	183 38
Masonry	31 83
Sundries	71 21
Advertising	5 00

Amount paid to Simpson Bros.:	
Constructing artificial stone retaining walls, steps and platform	\$2,803 00
20 cubic feet concrete, at 36 cents	7 20
10 square feet surfacing, at 10 cents	1 00
	2,811 20
	\$8,419 18

Saratoga street, filling solid old bridge.	
Work done by the Bridge Division	\$2,022 20

Sydney street, Ward 20, reconstructing.	
Labor	\$200 10
Teaming	188 00
Paving	38 30
Advertising	10 00
	\$436 40

Talbot avenue, Dorchester avenue to Washington street.

Labor	\$638 94
Teaming	518 24
Gravel	191 40
Paving	53 30
Blocks	64 85
Stone	307 55
Steam roller	40 00
Building wall	250 00

		\$2,064 28
Work done by the Sewer Division		107 34
		\$2,171 62

Tremont street, between Lenox street and Roxbury crossing, paving. (Work unfinished.)

Labor	\$2,009 95
Teaming	2,194 00
Gravel	873 25
Sand	305 25
67,164 large granite blocks	3,239 99
15,000 paving bricks	146 25
150 feet flagging	87 00
Advertising	5 40

Amount paid to Jones & Meehan :

1,753 square yards block paving, at 25 cents	\$438 25	
806 feet edgstone set, at 8 cents	64 48	
683 square yards brick paving, at 18 cents	122 94	
58 square yards flagging crossings, at 25 cents	14 50	
		640 17
		\$9,501 26

Wall street, between Causeway and Minot streets, paved with large granite blocks on a gravel base with pitch joints, edge-stone reset, brick sidewalks relaid, flagging crossings relaid. Length, 653 feet ; area 1,488 square yards.

Labor	\$1,149 80
Teaming	843 50
Gravel	286 41
Sand	85 50
233.8 feet flagging	134 94

<i>Carried forward</i>		\$2,500 15
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<i>Brought forward</i>	\$2,500 15
27,365 large granite blocks	1,320 08
15,000 paving bricks	142 50
Advertising	8 00
Masonry	51 50

Amount paid to Dennis J. Kiley & Co.:

1,255 feet edgestone set, at 8 cents	\$100 40
532 square yards brick paving, at 18 cents	95 76
90.7 square yards round paving, at 25 cents	22 67
1,488 square yards block paving pitch joints, at 90 cents	1,339 20
	1,558 03
	\$5,580 26

Amount of appropriation for Wall street, \$5,000 00

Amount paid out of Street Improvements, Ward 8	580 26
	\$5,580 26

STREET IMPROVEMENTS — OLD WARDS.

STREET IMPROVEMENTS, WARDS 1 AND 2.

Bennington street (uncompleted work from 1895).

Labor	\$250 00
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Bremen street, between Maverick and Sumner streets, paved with large granite blocks, brick sidewalks laid, edgestone re-set. Length, 500 feet; area, 2,053 square yards.

Labor	\$1,281 10
Teaming	547 00
Gravel	748 99
43,850 large paving blocks	2,115 32
12,000 paving bricks	114 00
Wharfage	97 40
Advertising	14 75

Amount paid to Charles L. Ward:

494.6 feet edgestone set	\$39 57
2,053 square yards block paving	513 25
485.8 square yards brick paving	87 44
	640 26
	\$5,558 82

Saratoga street, between Meridian and Chelsea streets, macadamized, gutters paved, crossings relaid, brick sidewalks repaved. Length, 3,425; area, 11,417 square yards.

Labor	\$4,204 40
Teaming	4,285 00
Gravel	2,298 13
Filling	208 95
Sand	1,120 65
Stone	8,507 85
9,195 large paving blocks	491 53
108,800 paving bricks	1,033 75
2,260 feet flagging	1,363 41
Advertising	28 65
Steam roller	343 33

Amount paid to Ward & Conlin :

4,161.5 feet edgestone set	\$624 23
479.9 square yards block paving	167 97
1,390 square yards round paving	486 50
618.9 square yards excavation	61 89
4,815.6 square yards brick paving laid	1,107 59
	2,448 18

Amount paid to P. J. Attridge :

2,715 feet edgestone set	\$407 25
268.1 square yards crossings laid	93 84
889.4 square yards round stone paving	311 29
285.3 square yards excavation	28 53
2,956.8 square yards brick paving laid	680 06
	1,520 97
	\$27,854 80

Amount paid out of Street Improvements, Wards 1 and 2 \$9,589 52

Amount paid out of Street Improvements, Ward 1 18,265 28

\$27,854 80

Sumner street, repaired.

Labor	\$274 58
Teaming	19 50
Gravel	69 45
Advertising	6 60

\$370 13

Walley street, repaired.

Gravel	\$45 82
Teaming	65 00

\$110 82

Work done by the Bridge Division \$417 66

\$417 66

STREET IMPROVEMENTS, WARD 3.

Corey street, repaired.

Gravel	\$33 82
Teaming	35 00
	\$68 82

Decatur street, Bunker Hill street to Medford street, macadamized, gutters paved, edgestone reset, brick sidewalks relaid, new and old crosswalks laid. Length, 1,185 feet; area, 3,423 square yards.

Labor	\$2,109 10
Teaming	639 00
Gravel	702 38
Stone	871 76
28,500 paving brick	270 75
804 feet flagging	583 35
Crossing blocks	58 50
Advertising	10 00
Sundries	5 57

Amount paid to P. Brennan & Co.:

2,997 feet edgestone set	\$239 76
1,399 square yards block paving	349 75
1,888 square yards brick paving	339 84
	929 35
	\$6,179 76

Amount paid out of Street Improvements, Ward 3 (old) \$5,804 00

Amount paid out of Street Improvements, Ward 3 (new) 375 76

\$6,179 76

Prospect street, between Chelsea and Tremont streets, macadamized, gutters paved, edgestone set, brick sidewalks relaid, new and old crosswalks laid. Length, 692 feet; area, 1,999 square yards.

Labor	\$1,085 60
Teaming	502 00
Gravel	472 29
Stone	624 77
125.2 feet flagging	72 62
Advertising	5 00
15,000 paving brick	142 50

Carried forward \$2,904 78

<i>Brought forward</i>	\$2,904 78
Amount paid to P. Brennan & Co.:	
1,916 $\frac{7}{8}$ feet edgestone set	\$174 22
746 square yards block paving	204 20
1,231 square yards brick paving	227 73
	606 15
	\$3,510 93
Amount paid out of Street Improve- ments, Ward 3 (old)	\$2,331 47
Amount paid out of Street Improve- ments, Ward 3 (new)	1,179 46
	\$3,510 93
Tremont street , between Monument square and Chelsea street, macadamized, gutters paved, edgestone set, brick sidewalks relaid, new and old crossings laid. Length, 1,021 feet; area, 2,668 square yards.	
Labor	\$1,257 50
Teaming	609 50
Gravel	615 88
Stone	933 23
300 feet flagging	174 00
17,500 paving brick	166 25
Sundries	32 35
Amount paid to Dennis Haley & Co.:	
2,111.3 feet edgestone set	\$168 90
919 square yards block paving	229 75
1,298 square yards brick paving	233 64
	632 29
	\$4,421 00
Amount paid out of Street Improve- ments, Ward 3 (old)	\$4,187 28
Amount paid out of Street Improve- ments, Ward 3 (new)	233 72
	\$4,421 00
Work done by the Sewer Division	\$615 24

STREET IMPROVEMENTS, WARD 4.

Essex street , between Main street and Rutherford avenue, macadamized (in part), gutters paved, edgestone set, brick sidewalks relaid, crossings relaid. Length, 794 feet; area, 2,661 square yards.	
Labor	\$404 80
Teaming	80 50
<i>Carried forward</i>	\$485 30

<i>Brought forward</i>	\$485 30
Gravel	207 01
2,500 paving brick	23 75

Amount paid to John Turner & Co.:

1,009.2 feet edgestone set	\$80 73
430 square yards block paving	107 50
688 square yards brick paving	123 84
	312 07
	\$1,028 13

Amount paid out of Street Improvements, Ward 4 (old) \$556 33

Amount paid out of Street Improvements, Ward 4 (new) 471 80

\$1,028 13

Medford street, between Pearl and Quincy streets, repaved (in part), edgestone set, brick sidewalks relaid, crossings relaid. Length, 1,591 feet; area, 7,071 square yards.

Labor	\$613 43
Teaming	75 00
Gravel	217 98
16,000 paving brick	152 00

Amount paid to P. Brennan & Co.:

1,230.6 feet edgestone set	\$134 78
841 square yards block paving	232 85
1,239.4 square yards brick paving	248 34
Masonry	41 00
	656 97

\$1,715 38

Amount paid out of Street Improvements, Ward 4 (old) \$1,086 83

Amount paid out of Street Improvements, Ward 4 (new) 628 55

\$1,715 38

STREET IMPROVEMENTS, WARD 5.

Main street, between City square and Miller street, paved with large granite blocks, edgestone set and reset, new brick sidewalks laid, new crossings laid. Length, 1,900 feet; area, 8,440 square yards.

Labor	\$4,217 40
Teaming	1,418 00
Gravel	1,946 25
2,180 feet edgestone	1,536 59

Carried forward \$9,118 24

<i>Brought forward</i>	\$9,118 24
190,507 large paving blocks	10,233 93
75,000 paving brick	712 50
1,601 feet flagging	928 58
Sand	119 00
Masonry	120 76
Sundries	19 19

Amount paid to John Turner & Co.:

4,309.7 feet edgestone set	\$391 49
11,901 square yards block paving	3,041 00
64.2 square yards round paving	16 05
3,750.1 square yards brick paving	680 52
153 feet track lowered	137 70

\$4,266 76

Credit by 164,182 second hand blocks, 1,641 82

2,624 94

\$23,877 14

Amount paid out of Street Improvements, Ward 5 (old) \$4,754 35

Amount paid out of Street Improvements, Ward 5 (new) 19,122 79

\$23,877 14

Washington street, repaired.

Labor	\$232 30
Teaming	63 00
Gravel	69 20
Advertising	7 00
	<u>\$371 50</u>

STREET IMPROVEMENTS, WARDS 9 AND 10.

Chestnut street, between Charles street and Charles river, paved with large granite blocks, edgestone reset, flagging crossings relaid, brick sidewalks relaid. Length, 818 feet; area, 2,725 square yards.

Labor	\$1,320 50
Teaming	1,433 00
Gravel	360 00
Sand	101 40
40 small corners	134 00
192.5 feet edgestone	119 35
405 feet flagging	240 70

Carried forward \$3,708 95

<i>Brought forward</i>	\$3,708 95
54,061 large paving blocks	2,607 90
15,000 paving brick	142 50
Lumber	7 96
Masonry	101 50
Advertising	15 45

Amount paid to James Grant & Co.:

1,507 feet edgestone set	\$120 56
2,688 square yards block paving laid	672 00
716 square yards brick paving laid	128 88
7.8 square yards brick paving herring bone on edge	3 35
	924 79
	\$7,509 05

Amount paid out of Street Improve-
ments, Wards 9 and 10 \$5,257 29

Amount paid out of Street Improve- ments, Ward 11	2,251 76
	\$7,509 05

Parkman street, between North Grove and North Russell
streets, resurfaced.

Labor	\$269 10
Stone	264 25
Gravel	59 60
	\$592 95

STREET IMPROVEMENTS, WARD 12.

Beach street, between Harrison avenue and Washington
streets, paved with large granite blocks on a concrete base
with pitch joints, edgestone reset, sidewalks relaid. Length,
483 feet; area, 1,878 square yards.

Labor	\$378 75
Teaming	1,295 00
Gravel	215 43
74 feet edgestone	45 88
216 feet flagging	128 27
52,946 large granite blocks	2,537 01
20,000 paving brick	195 00
Templets	12 20
Masonry	98 00
Cement	11 00

Amount paid to J. B. O'Rourke:

1,302 square yards paving barred up and roadway excavated	\$325 50
<i>Carried forward</i>	\$325 50
	\$4,916 54

<i>Brought forward</i>	\$325 50	\$4,910 54
295 cubic yards American cement concrete base	1,475 00	
1,852.6 square yards granite block paving, pitch joints	1,667 34	
595 feet edgestone reset	89 25	
431 square yards brick paving relaid	99 13	
18 square yards block paving gravel joints	4 50	
Extra work, as ordered	21 56	
		3,682 28
		\$8,598 82
Amount paid out of Street Improvements, Ward 12 (old)	\$6,113 44	
Amount paid out of Street Improvements, Ward 7 (new)	2,485 38	
		\$8,598 82

Chauncy street. between Summer and Essex streets, paved with large granite blocks on a concrete base with pitch joints, edgestone reset, sidewalks relaid. Length, 872 feet; area, 2,325 square yards.

Labor	\$792 09
Teaming	1,442 50
Gravel	210 82
57,652 large granite blocks	2,781 13
71.5 feet edgestone	48 07
8,200 paving brick	79 95
377 feet flagging	219 78
Templets	4 40
Masonry	84 00
Advertising	31 14
Lumber	15 81
Cement	11 00

Amount paid to Metropolitan Construction Co. :	
2,050 square yards pavement barred up and roadway excavated	\$512 50
428.4 cubic yards American cement concrete base	2,142 00
2,570.2 square yards granite block paving, pitch joints	2,313 18
223 feet edgestone reset	33 45
147 square yards brick sidewalks relaid, ...	33 81
87 square yards granite block paving, gravel joints	21 75

5,056 69

Carried forward \$10,777 38

<i>Brought forward</i>	\$10,777 38
Amount paid out of Street Improve- ments, Ward 12 (old)	\$8,208 09
Amount paid out of Street Improve- ments, Ward 6 (new)	474 49
Amount paid out of Street Improve- ments, Ward 7 (new)	2,094 80
	\$10,777 38

Essex street, repaired.

11,696 large paving blocks	\$564 21
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Harvard street, between Hudson street and Harrison avenue, paved with large blocks; and between Harrison avenue and Washington street, paved with small blocks, edgestone reset, sidewalks relaid. Length, 751 feet; area, 1,416 square yards.

Labor	\$1,478 12
Teaming	1,021 00
Gravel	262 26
436.1 feet flagging	257 36
28.1 feet circular edgestone	36 51
12,200 paving brick	122 00
14,500 granite paving blocks	699 48
Masonry	357 00
	\$4,233 73

Pine street, between Washington street and Harrison avenue, asphalted, edgestone reset and sidewalks relaid. Length, 419 feet; area, 570 square yards.

Labor	\$626 95
Teaming	578 00
Gravel	54 70
225 small blocks	9 23
6,400 paving brick	64 00
335 feet edgestone	207 70
57 feet flagging	33 18
Masonry	147 00
Templets	15 60
Advertising	23 63

Amount paid to Barber Asphalt Paving Co. : 567.5 square yards Trinidad lake asphalt with binder and cement concrete base, at \$3	1,702 50
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\$3,462 49

Amount retained from Barber Asphalt Paving Co.,	85 13
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<i>Carried forward</i>	\$3,377 36
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<i>Brought forward</i>	\$3,377 36
Amount paid out of Street Improve- ments, Ward 12	\$3,327 15
Amount paid out of Street Improve- ments, Ward 7	50 21
	\$3,377 36

Whitmore street. Amount retained from Boston Asphalt Co. for work done under contract in 1895	62 70
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Street Improvements Ward 13. A street, repaved.

Labor	\$108 10
Teaming	18 00
Paving	140 50
Advertising	26 65
	293 25

C street, between First and Third streets, macadamized,
gutters paved. Length, 506 feet ; area, 1912 square yards.

Labor	372 60
Teaming	314 50
Gravel	47 93
Stone	455 43
Advertising	26 23
	\$1,216 69

D street, between First and Third streets, paved with
large granite blocks, edgestone set and reset, brick sidewalks
laid, flagging crossings laid and relaid. Length, 506 feet ;
area, 1,912 square yards.

Labor	\$1,864 91
Teaming	864 00
Gravel	560 75
510 feet flagging	319 06
39,229 large granite blocks	1,892 41
Wharfage on blocks	103 20
10,000 paving brick	97 50
354 3-12 feet edgestone and 2 small corners	226 33
Advertising	40 48

Amount paid to H. Gore & Co.:	
2,091.5 square yards block paving	\$522 88
1,017.6 feet edgestone set	81 41
561.6 square yards brick paving	101 09
138.3 square yards flagging crossings	34 58
	739 96

<i>Carried forward</i>	\$6,708 60
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<i>Brought forward</i>	\$6,708 60
Amount paid out of Street Improve- ments, Ward 13 (old)	\$5,436 93
Amount paid out of Street Improv- ments, Ward 13 (new)	1,271 67
	\$6,708 60

Dorchester avenue, between First street and N. Y., N. H. & H. R. R. crossing, paved with large granite blocks, edgestone reset, brick sidewalks relaid, flagging crossings laid and relaid. Length 2,125 feet; area, 9,445 square yards.

Labor	\$4,993 05
Teaming	3,470 50
Gravel and sand	1,446 87
902 feet flagging	523 16
63,000 paving brick	614 25
148,062 large paving blocks	7,142 50
Wharfage	674 75
Advertising	36 50

Amount paid to H. Gore & Co.:

6,716.4 square yards block paving	\$1,679 10
3,267 feet edgestone, set	261 36
2,977.7 square yards brick paving	535 99
463.3 square yards flagging laid	115 83
36.9 square yards block paving laid	9 23
25.2 square yards brick paving herring bone	9 07
	2,610 58
	\$21,512 16

Amount paid out of Street Improve- ments, Ward 13 (old)	\$11,605 10
Amount paid out of Street Improve- ments, Ward 13 (new).	9,907 06

\$21,512 16

Dove street, between E and Dorchester streets, macadamized, gutters repaved, edgestones reset, brick sidewalks relaid. Length, 1,255 feet; area, 1,841 square yards.

Labor	\$1,202 90
Teaming	389 50
Gravel	87 20
Stone	332 61
10,000 paving brick	97 50

Amount paid to H. Gore & Co.:

2,522.1 feet edgestone set	\$201 77
64.1 square yards block paving	16 03
573.7 square yards round paving	143 43
612.2 square yards brick paving	110 20
	471 43

Carried forward \$2,581 14

<i>Brought forward</i>	\$2,581 14
Amount paid out of Street Improvements, Ward 13 (old)	\$2,144 38
Amount paid out of Street Improvements, Ward 14	436 76
	2,581 14
Work done by the Sewer Division	\$241 60

STREET IMPROVEMENTS, WARDS 14 AND 15.

Bellflower street, between Dorchester avenue and Boston street, macadamized, edgestone set, gutters paved, crossings laid, brick sidewalks laid. Length, 691 feet; area, 1,996 square yards.

Labor	\$1,337 91
Teaming	413 00
Filling	1,064 35
Stone	553 02
1,318.3 feet edgestone	817 35
102.2 feet flagging	59 27
Paving	238 48
Advertising	29 63

Amount paid to John McMorrow :

Building retaining walls as per agreement	519 00
	\$5,032 01

Amount paid out of Street Improve- ments, Wards 14 and 15	\$4,135 62
Amount paid out of Street Improve- ments, Ward 15 (old)	891 39
Amount paid out of Street Improve- ments, Ward 16 (new)	5 00
	\$5,032 01

East Eighth street, between Old Harbor and Mercer streets, paved between the tracks with large granite blocks. Length, 500 feet; area, 778 square yards.

Labor	\$274 54
Teaming	132 50
12,420 large paving blocks	599 14
1,500 paving brick	14 78
Advertising	31 50

Amount paid to H. Gore & Co. :

704 square yards block paving	\$176 00
440 square yards paving barred out, dug out, laid, and gravel furnished	308 00
	484 00

Carried forward \$1,536 46

<i>Brought forward</i>	\$1,536 46
Amount paid out of Street Improve- ments, Wards 14 and 15	\$1,228 46
Amount paid out of Street Improve- ments, Ward 15 (new)	308 00
	\$1,536 46

East Sixth street, between L and N streets, paved with large granite blocks, edgestone set and reset, brick sidewalks laid and relaid, crossings laid and relaid. Length, 1,141 feet; area, 4,310 square yards.

Labor	\$2,019 60
Teaming	866 00
Gravel	400 58
300 feet flagging	174 00
10,500 paving brick	102 38
Lime	90
Crossing blocks	231 50
255 feet edgestone	158 10
69,225 large paving blocks	3,339 42
Wharfage	217 60
Advertising	8 25
Sundries	6 60

Amount paid to H. Gore & Co.:

2,709 square yards block paving	\$677 25
2,081 feet edgestone set	166 48
1,277 square yards brick paving	229 86
24 square yards flagging laid	6 00
534 square yards paving barred out, dug out, teamed, laid and gravel furnished	480 60
	1,560 19
	\$9,085 12

Amount paid out of Street Improve-
ments, Wards 14 and 15 \$8,785 17

Amount paid out of Street Improve- ments, Ward 14 (new)	299 95
	\$9,085 12

K street, between East Sixth and East Eighth street, asphalted, paved between tracks with large granite blocks, edgestone set, brick sidewalks laid, flagging crossings laid. Length, 567 feet; area, 1,083 square yards.

Labor	\$1,449 75
Teaming	488 00
280 feet flagging	162 40
14,500 paving brick	141 38

Carried forward \$2,241 53

<i>Brought forward</i>	\$2,241 53
13,890 large granite blocks	670 04
Stone	465 16
Advertising	6 00
Sundries	4 96

Amount paid to H. Gore & Co. :

286 square yards paving barred out, dug out, teamed, laid and gravel furnished,	\$257 40
356 square yards block paving	89 00
1,133 feet edgestone set	90 64
976 square yards brick paving	175 68
103 square yards flagging crossings	25 75
	638 47

Amount paid to Boston Asphalt Co. :

1,082.7 square yards Sicilian rock asphalt with con- crete base	3,248 10
	\$7,274 26
Amount retained from Boston Asphalt Co.	162 40

\$7,111 86

Amount paid out of Street Improve- ments, Wards 14 and 15	\$3,868 86
Amount paid out of Street Improve- ments, Ward 14 (new)	1,700 15
Amount paid out of Street Improve- ments, Ward 15 (new)	1,542 85

\$7,111 86

Rawson street, between Dorchester avenue and Boston street,
macadamized, edgestone set, gutters paved. Length, 475 feet ;
area, 1,372 square yards.

Labor	\$688 10
Teaming	360 54
Gravel	191 78
Stone	558 79
893 $\frac{2}{3}$ feet edgestone and 6 small corners	573 86
15,000 gutter blocks	300 00
Paving	156 60

\$2,829 67

Amount paid out of Street Improve- ments, Wards 14 and 15	\$1,065 73
Amount paid out of Street Improve- ments, Ward 16 (new)	1,763 94

\$2,829 67

Swett street, Massachusetts avenue to railroad bridge, macadamized, plank and gravel sidewalks laid. Length, 2,224 feet; area, 9,884 square yards.

Labor	\$724 50
Teaming	1,963 00
Gravel	991 37
Stone	5,136 02
Steam roller	340 00
Masonry	24 00

\$9,178 89

Amount paid out of Street Improvements, Wards 14 and 15 . . . \$2,749 21

Amount paid out of Street Improvements, Ward 20 (old) . . . 6,429 68

\$9,178 89

Vale street, between Burnham street and water front, macadamized. Length, 400 feet; area, 1,155 square yards.

Teaming	\$10 00
Gravel	31 00
Stone	136 50

\$177 50

Work done by the Sewer Division . . . \$5,310 32

STREET IMPROVEMENTS, WARD 16.

Compton street, Shawmut avenue to Washington street, sidewalks relaid, gutters paved.

Labor	\$230 00
Teaming	348 00
Gravel and sand	134 19
4,875 large granite blocks	318 83
55 feet flagging	44 00
12,300 paving brick	123 00
Masonry	84 00

\$1,282 02

Amount paid out of Street Improvements, Ward 16 (old) . . . \$1,092 13

Amount paid out of Street Improvements, Ward 9 (new) . . . 189 89

\$1,282 02

STREET IMPROVEMENTS, WARDS 17 AND 18.

Albany street, between Concord street and Massachusetts avenue, repaved, edgestone reset, gravel walks laid. Length, 690 feet; area, 4,140 square yards.

Labor	\$319 00
Teaming	12 00
Gravel	86 62
400 second quality blocks	12 00
300 paving brick	3 00
Masonry	63 00

Amount paid to Doherty & Connors:

2,300 square yards block paving laid	\$805 00	
393 feet edgestone set	31 44	
130 square yards brick paving laid	23 40	
49 square yards flagging crossings	17 15	
		876 99

Amount paid to Barber Asphalt Paving Co., 450.35 square yards Trinidad asphalt

1,125 87

\$2,498 48

Amount paid out of Street Improvements, Wards 17 and 18 \$1,085 49

Amount paid out of Street Improvements, Ward 12 (new) 1,412 99

\$2,498 48

East Lenox street, new sidewalks.

Labor	\$207 15
Teaming	48 16
Gravel	37 21
550 large granite blocks	30 25
675 paving brick	6 75

\$329 52

Fabin street.

Amount retained from Boston Asphalt Co., for work done under contract in 1895

\$92 27

Fellows street, macadamized. Length, 1,061 feet; area, 3,065 square yards.

Labor	\$175 38
Teaming	541 00
Stone	2,451 95
Advertising	7 50

Carried forward \$3,175 83

STREET DEPARTMENT — PAVING DIVISION. 181

<i>Brought forward</i>	\$3,175 83
Amount paid out of Street Improve- ments, Wards 17 and 18	\$862 13
Amount paid out of Street Improve- ments, Ward 12 (new)	1,713 20
Amount paid out of Street Improve- ments, Ward 17 (new)	493 50
Amount paid out of Paving Division	107 00
	\$3,175 83

Flagg street. between Washington and Reed streets, macad-
amized, edgestone reset, sidewalks relaid.

Labor	\$457 22
Teaming	762 96
Gravel	82 05
Stone	348 62
100 feet edgestone and two small corners	68 70
5,000 paving brick	47 50
Masonry	168 00
Advertising	10 75
	\$1,945 80

Amount paid out of Street Improve- ments, Wards 17 and 18	\$1,653 75
Amount paid out of Street Improve- ments, Ward 12	292 05
	\$1,945 80

Harrison avenue.

Amount retained from Barber Asphalt Paving Co., for work done under contract in 1895	\$245 39
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Pembroke street (unfinished work from 1895).

Labor	\$73 60
Teaming	590 00
Gravel	29 64
	\$693 24

Amount paid out of Street Improve- ments, Wards 17 and 18	\$665 64
Amount paid out of Street Improve- ments, Ward 12 (new)	27 60
	\$693 24

West Canton street (unfinished work from 1895).

Masonry	\$119 00
Teaming	12 00
	\$131 00

STREET IMPROVEMENTS, WARDS 19 AND 22.

Bay State road.

Gravel	\$187 55
Teaming	54 00
	\$241 55

Beacon street, Massachusetts avenue to Commonwealth avenue, macadamized, gutters paved, edgestone reset, crossings laid and relaid, sidewalks relaid. Length, 1,750 feet; area, 8,944 square yards.

Labor	\$256 43
Teaming	1,653 50
Gravel and sand	710 05
Stone	2,726 59
Steam roller	150 00
11,500 paving brick	112 50
200.3 feet flagging	116 17
Advertising	26 70

Amount paid to James Grant & Co. :

2,600 feet edgestone set	\$390 00	
1,496 square yards block paving laid	523 60	
989 square yards brick paving laid	227 47	
123 square yards brick paving laid, her- ring bone	50 43	
4.8 square yards brick paving laid, her- ring bone, on edge	2 64	
		1,194 14
		\$6,946 08

Amount paid out of Street Improve-
ments, Wards 19 and 22 \$4,596 99

Amount paid out of Street Improve-
ments, Ward 11 (new) 412 21

Amount paid out of Paving Division 1,936 88

\$6,946 08

Boylston street (unfinished work from 1895).

Gravel	\$86 80

Calumet street (unfinished work from 1895).

Stone	\$360 00

Lawn street (unfinished work from 1895).

Gravel	\$265 60
Stone	60 00
	\$325 60

Marlborough street, between Massachusetts avenue and Parkway, macadamized, edgestone reset, gutters repaved, sidewalks relaid. Length, 647 feet; area, 2,444 square yards.

Labor	\$66 70
Teaming	731 42
Gravel	286 08
Stone	992 32
Steam roller	60 00
200 feet flagging	116 00

Amount paid to James Grant & Co.:

827 feet edgestone set	\$124 05
443 square yards block paving	155 05
447 square yards brick paving	102 81
	381 91
	\$2,634 43

Parker street (unfinished work from 1895).

Gravel	\$55 80
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Roxbury street, between Washington street and Shawmut avenue, repaved with large granite blocks; between Shawmut avenue and Cabot street, macadamized, gutters repaved, brick sidewalks relaid, crossings relaid. Length, paved 350 feet; area, 1,633 square yards. Length, macadamized 2,651 feet; area, 13,685 square yards.

Labor	\$2,517 25
Teaming	3,765 50
Gravel and sand	2,298 75
Stone	2,445 48
Steam roller	40 00
301.3 feet flagging	174 76
18,650 paving brick	201 05
51 feet edgestone and two small corners	51 72
20,000 large granite blocks	964 80
Masonry	29 20

Amount paid to Austin Ford & Son:

3,303 feet edgestone set	\$264 24
2,917 square yards block paving	729 25
2,278 square yards brick paving	410 04
	1,403 53
	\$13,892 04

Amount paid out of Street Improvements, Wards 19 and 22 \$6,188 28

Amount paid out of Street Improvements, Ward 18 (new) 7,703 76

\$13,892 04

Westland avenue (unfinished work from 1895).

Stone	\$1,367 77
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STREET IMPROVEMENTS, WARD 20.

Newcomb street, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid. Length, 611 feet; area, 1,289 square yards.

Labor	\$345 95
Teaming	545 50
Gravel	883 95
Stone	464 45
3,000 paving brick	29 25
Paving	251 97

\$2,521 07

Amount paid out of Street Improvements, Ward 20 (old) . . . \$1,636 82

Amount paid out of Street Improvements, Ward 17 (new) . . . 884 25

\$2,521 07

Quincy street (unfinished work from 1895).

Teaming	\$20 00
Gravel	308 00
Stone	717 35
Steam roller	240 00

\$1,285 35

Shirley street roadway and sidewalks gravelled.

Gravel	\$2,846 00
Filling	390 00

\$3,236 00

Work done by the Sewer Division . . . \$301 51

STREET IMPROVEMENTS, WARD 24.

Alban street (entire length), excavated, filled, subgraded, macadamized, sidewalks built. Length, 1,358 feet; area, 3,948 square yards.

Labor	\$814 66
Teaming	887 00
Gravel	282 48
Stone	903 24
Steam roller	240 00
Masonry	34 50
Artificial stone sidewalk	30 66
Paving	9 00

\$3,201 54

Bicknell street (unfinished work from 1895).

Teaming	\$124 00
Gravel	88 20
	\$212 20

Bradshaw street, between Glenway and Bicknell streets, macadamized, gutters paved, sidewalks surfaced, two catch basins built. Length, 450 feet; area, 1,300 square yards.

Labor	\$593 98
Teaming	730 50
Gravel	119 10
Stone	305 00
Steam roller	70 00
Paving	155 50
	\$1,974 08

Morton street (unfinished work from 1895).

Teaming	\$310 00
Gravel	8 40
	\$318 40

Work done by the Sewer Division \$1,824 38

STREET IMPROVEMENTS, WARD 25.

Washington street, between Commonwealth avenue and Oak square, widened, macadamized, gutters paved, sidewalks built.

Labor	\$209 48
Teaming	1,148 00
Gravel	2,356 20
Stone	8,738 99
Steam roller	210 00

Amount paid to James Grant & Co.:

5,300 feet edgstone set	\$424 00
45.1 square yards block paving	11 28
1,787 square yards round stone paving	446 75
	882 03
	\$13,544 70

Amount paid out of Street Improvements, Ward 25 (old) . . . \$2,119 67

Amount paid out of Street Improvements, Ward 25 (new) . . . 939 50

Amount paid out of Paving Division .10,485 53

\$13,544 70

Western avenue, between Western-avenue bridge and Market street, resurfaced, plank walks repaired, crossings laid and relaid. Length.

Labor	\$384 10
Teaming	484 00
Stone	37 30
97.6 feet flagging	58 56
Paving	20 67
	\$984 63

Amount paid out of Street Improvements, Ward 25 (old)	\$338 07
Amount paid out of Street Improvements, Ward 25 (new)	646 56

\$984 63

Winship street (unfinished work from 1895).

Stone	\$1,478 63
Gravel	17 00

\$1,495 63

Work done by the Bridge Division	\$455 74
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STREET IMPROVEMENTS, NEW WARDS.

STREET IMPROVEMENTS, WARD 1.

Blackinton and Leyden streets, gravelled, new edgestone and gutters built, sidewalks gravelled. Area, 728 square yards.

Labor	\$554 30
Teaming	159 94
Gravel	180 29
Stone screenings	40 80
Edgestone	6 40

\$941 73

Byron street, between Pope and Bennington streets, gravelled, crossings paved. Length, 1,164 feet; area, 4,397 square yards.

Labor	\$368 00
Teaming	406 00
Gravel	1,683 70
Stone screenings	34 85

\$2,492 55

Chelsea street.

Teaming	\$72 00
Sand	26 82
Gravel	44 70
	\$143 52

Cowper street.

Gravel	\$47 68
Stone screenings	25 50
	\$73 18

Shelby street.

Teaming	\$15 50
Gravel	17 88
	\$33 38

Wordsworth street, between Bennington street and cemetery, resurfaced. Length, 350 feet; area, 1,322 square yards.

Labor	\$98 90
Teaming	16 00
Gravel	298 00
Stone screenings	147 05
	\$559 95

Work done by the Sewer Division \$1,653 97

STREET IMPROVEMENTS, WARD 2.

Havre street, between Maverick and Meridian streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid. Length, 613 feet; area, 2,316 square yards.

Labor	\$496 80
Teaming	477 62
Gravel	497 66
Stone	135 94
10,000 paving brick	95 00

Amount paid to Ward & Conlin:

1,080.3 feet edgestone set	\$162 05
523.9 square yards block paving	183 37
985.7 square yards brick paving	226 71
	572 13
	\$2,275 15

Haynes street macadamized, gutters paved, brick sidewalks relaid, crossings relaid. Length, 642 feet; area, 1,480 square yards.

Labor	\$916 18
Teaming	575 63
Gravel	391 87
Stone	102 41
23,000 paving brick	222 50
881 gutter blocks	25 06

Amount paid to Ward & Conlin:

1,303.5 feet edgestone set.	\$104 28
471.1 square yards block paving	117 78
700.3 square yards brick paving	126 05
	348 11
	\$2,581 76

Marion and Bremen streets, filled and resurfaced to new grade. Area 1,200 square yards.

Labor	\$278 30
Teaming	234 00
Gravel	47 68
Stone	1,346 38
	\$1,906 36

Maverick Street, repaired.

Labor	\$177 10
Teaming	237 00
	\$414 10

Sumner Street, between Orleans and Webster streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid, crossings relaid. Length 2,259 feet; area 9,789 square yards.

Labor	\$2,815 62
Teaming	1,865 00
Gravel and sand	1,552 42
Stone	890 33
Steam roller	415 00
Cement	23 00
80,000 paving bricks	760 00
Advertising	17 25

Amount paid to Ward & Conlin:

4,893.1 feet edgestones set	\$391 45
2,032.9 square yards block paving	508 23
3,537 square yards round stone paving	884 25
1,800.3 square yards brick paving	324 05
20.5 square yards hexagonal paving	5 13
	2,113 11
	\$10,451 73

Webster Street, between Orleans and Sumner streets, macadamized; between Orleans street and B. & M. R.R. repaved, edgestones reset, gutters repaved, brick sidewalks relaid. Length, macadam 2,315 feet; paving 210 feet; area, macadam 7,460 square yards; paving 1,093 square yards.

Labor	\$1,735 52
Teaming	1,320 00
Gravel and sand	1,740 79
Stone	1,328 18
Steam roller	351 66
5,220 granite blocks	273 58
765 feet flagging	478 70
63,750 paving bricks	605 62
Advertising	7 40

Amount paid to Ward & Conlin:

5,136.1 feet edgestone set	\$410 89	
841.6 square yards block paving	210 40	
1,611.3 square yards round paving	402 83	
5,756.4 square yards brick paving	1,036 15	
Extra work as ordered	15 50	2,075 77
		<u>\$9,917 22</u>

Work done by the Bridge Division \$300 00

Work done by the Sewer Division \$869 67

STREET IMPROVEMENTS, WARD 3.

Ferrin street (entire length), macadamized, gutters paved, edgestones set, brick sidewalks laid, crossings laid or relaid. Length, 1,121 feet; area, 2,330 square yards.

Labor	\$1,566 20
Teaming	473 50
Gravel	739 32
Stone	955 30
19,000 paving brick	180 50
326 feet flagging	189 08
10.6 feet edgestone and 2 small corners	14 55
Masonry	9 65
Cement	3 30
Advertising	9 75
Lumber	16 00

Amount paid to Healey & O'Hara:

2,883 feet edgestone set	\$230 64	
1,033 square yards round paving	258 25	
1,313 square yards brick paving	236 34	
		<u>725 23</u>
		<u>\$4,882 38</u>

Work done by the Sewer Division . . . \$556 29

STREET IMPROVEMENTS, WARD 4.

Alford street, from end of block paving to Everett line, macadamized, plank walk laid, fence built. Length, 2,114 feet; area, 7,249 square yards.

Labor	\$1,201 75
Teaming	452 00
Gravel	442 88
Stone	1,036 21
Nails	19 08
Lumber	293 16
	<u>\$3,445 08</u>

Beach street (entire length), macadamized, gutters paved, edgestone set, brick sidewalks laid, crossings relaid, gravel sidewalks built. Length, 337 feet; area, 665 square yards.

Labor	\$147 20
Teaming	50 50
Gravel	29 41
	<u>\$227 11</u>

Walker street (entire length), macadamized, gutters paved, edgestone set, brick sidewalks relaid, crossings relaid. Length, 755 feet; area, 1,526 square yards.

Labor	\$1,016 60
Teaming	364 50
Gravel	522 16
Stone	574 49
Edgestone	13 04
82 feet flagging	69 70
20,000 paving bricks	190 00
Masonry	26 01
Advertising	28 88

Amount paid to P. Brennan & Co.:

2,285 feet edgestone set	\$342 75	
283 square yards block paving	99 05	
728 square yards round paving	254 80	
1,306 square yards brick paving	300 38	
Extra work as ordered	134 00	
	<u></u>	\$1,130 98
		<u>\$3,936 36</u>

Work done by the Sewer Division . . . \$2,821 71

STREET IMPROVEMENTS, WARD 5.

City Square, repaved, edgestone reset. Area, 834 square yards.

238 feet edgestone set	\$19 04
834 square yards block paving	208 50
	\$227 54

Park Square, repaved, edgestone reset, brick sidewalks relaid, crossings laid and relaid. Area, 351 square yards.

Labor	\$216 20
Teaming	76 00
Gravel	58 82
250 feet flagging	145 00
Paving	99 78
	\$595 80

Stacey street (entire length), paved with old granite blocks, edgestone reset, brick sidewalks relaid, gravel sidewalks built. Length, 492 feet; area, 820 square yards.

Labor	\$894 70
Teaming	255 00
Gravel	266 42
Sundries	30 00
Advertising	5 00

Amount paid to Healey & O'Hara:

907.7 feet edgestone set	\$72 62
925 square yards block paving	231 25
81 square yards brick paving	14 58
	318 45
	\$1,769 57

Union street, between Lynde and Washington streets, macadamized, gutters paved, edgestone set, crossings laid. Length, 84 feet; area, 215 square yards.

Labor	\$264 50
Teaming	68 40
Gravel	74 39
Flagging	68 85
Edgestone	7 20
Paving	60 87
	\$544 21

Warren Avenue, between City square and railroad tracks, repaved, edgestone reset, crossings laid and relaid. Length, 200 feet; area, 1,330 square yards.

Labor	\$591 10
Teaming	9 00
Gravel	242 20
350 feet flagging	203 00
	\$1,045 30

Warren street, between Winthrop and Soley streets (unfinished work from 1895).

Teaming	\$102 00
Amount paid to Boston Asphalt Co.:	
365.3 square yards Sicilian rock asphalt with concrete base	\$1,095 90
Less amount paid in 1895	714 16
	381 74
	\$483 74

Work done by the Sewer Division \$678 53

STREET IMPROVEMENTS, WARD 6.

Batterymarch street, between Milk and Kilby square, asphalted, edgestone reset, brick sidewalks relaid, crossings relaid.

Labor	\$414 00
Teaming	194 00
Edgestone	19 47
Paving	17 57
Templets	11 20

Amount paid to Barber Asphalt Paving Co.:

428.9 square yards Trinidad lake asphalt with concrete base and binder \$1,286 70

\$1,942 94

Amount retained from Barber Asphalt Paving Co., 64 33

1,878 61

City Hall avenue, between School street and Court square, paved with asphalt blocks on a gravel base, brick sidewalks relaid. Length, 196 feet; area, 271 square yards.

Labor	\$346 80
Gravel and sand	55 90
Electric lights	14 45

Carried forward \$417 15

<i>Brought forward</i>	\$417 15
Amount paid to H. Gore & Co.:	
262.5 square yards asphalt blocks furnished and laid	\$787 50
7.3 square yards brick paving, herring-bone	1 82
	789 32
	<u>\$1,206 47</u>

Devonshire street, between Dock square and State street, paved with large granite blocks on a concrete base with pitch joints, edgestone reset, brick sidewalks relaid, crossings laid. Length, 303 feet; area, 1,155 square yards.

Labor	\$1,271 75
Teaming	1,169 50
Gravel and sand	200 10
23,975 large granite blocks	1,156 55
226.1 feet flagging	131 14
70 feet edgestone	43 40
6,000 paving bricks	57 00
Electric lights	19 95
Masonry	3 50
Templets	37 24

Amount paid to J. B. O'Rourke & Co.:

187.5 cubic yards American cement concrete base	\$937 50
1,130 square yards block paving, pitch joints	1,017 00
247 feet edgestone reset	19 76
198 square yards brick paving relaid	35 64
159 square yards block paving relaid	55 65
159 square yards barring and excavating	15 90

\$2,081 45

Less 13 double loads screened gravel	\$19 37
Less 60 single loads screened gravel	45 00

64 37

2,017 08

\$6,107 21

Garden Court street, between Fleet street and North square, paved with large granite blocks, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 230 feet; area, 358 square yards.

Labor	\$462 91
Teaming	338 50

Carried forward \$801 41

<i>Brought forward</i>	\$801 41
Gravel and sand	141 85
8,910 large granite blocks	429 82
8,000 paving brick	76 00
80 feet edgestone	49 60
Masonry	14 00
Paving	187 95
	\$1,700 63

North street, between Blackstone street and Merchants row, paved with large granite blocks on a concrete base with pitch joints, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 162 feet; area, 648 square yards.

Labor	\$449 50
Teaming	574 50
Gravel and sand	86 63
150 feet flagging	90 00
16 feet circular edgestone	20 80
11,945 large granite blocks	567 48
Templets	38 45

Amount paid to Metropolitan Construction Co.:

618.7 square yards block paving, pitch joints	\$556 83
52 feet edgestone set	7 80
37 square yards brick paving	8 51
103.1 cubic yards American cement, concrete base	515 50
618.7 square yards paving removed and excavated	154 68
109 square yards barring and preparing bed	54 50
	1,297 82
	\$3,125 18

North square, between No. 20 and North street, paved with small blocks, edgestone reset, brick sidewalks relaid, crossings relaid. Area, 350 square yards.

Labor	\$182 65
Teaming	111 00
Gravel and sand	66 25
2,500 paving brick	23 75
Advertising	8 20
Paving	96 15
	\$488 00

North Margin street.

Amount retained from Barber Asphalt Paving Co., for work done in 1895	\$173 51
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North Market street, repaved.

Labor	\$300 15
Teaming	22 50
Gravel	38 00
Blocks	16 50
Cement	132 50
	\$509 65

Prince street, between Hanover street and North square,
paved with large granite blocks, edgestone reset, brick side-
walks relaid, crossings relaid. Length, 140 feet. Area, 218
square yards.

Labor	\$389 85
Teaming	330 50
Gravel	73 05
Edgestone	26 04
Flagging	19 72
Brick	38 00
Blocks	349 74
Masonry	10 50
Paving	123 48
	\$1,360 88

Stillman street, between Charlestown and Endicott streets,
asphalted, edgestone reset, brick sidewalks relaid, crossings
relaid. Length, 202 feet; area, 600 square yards.

Labor	\$769 35
Teaming	470 00
Gravel and sand	254 13
Edgestone	43 90
Flagging	15 60
14,300 gutter blocks	564 85
Brick	85 50
Advertising	10 34

Amount paid to Dennis J. Kiley & Co.:

478 feet edgestone set	\$38 24
748 square yards block paving . .	187 00
237 square yards brick paving . .	42 66
	267 90
	\$2,481 57

Tileston street.

Amount retained from Barber Asphalt Paving
Co., for work done under contract in 1895 .

\$19 54

Water street, between Broad street and Kilby square,
asphalted, edgestone reset, brick sidewalk relaid, crossings
relaid. Length, 252 feet; area, 654 square yards.

Labor	\$782 11
Teaming	337 50
Gravel and sand	34 55
321 feet edgestone	199 02
12.2 feet circular edgestone	15 87
10,000 paving brick	95 00
50 feet flagging	29 00
Templets	28 85
Advertising	7 60

Amount paid to J. B. O'Rourke & Co.:

159.3 square yards block paving	143 37
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Amount paid to D. J. Kiley & Co.:

539 feet edgestone set	\$43 12
335 square yards brick paving	63 90
11 square yards crossings laid	2 75
16 square yards block paving	4 00

113 77

Amount paid to Barber Asphalt Paving Co.:

657.8 square yards Trinidad lake asphalt with American cement, concrete base	1,973 40
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\$3,760 04

Amount retained from Barber Asphalt Paving
Co.

98 67

\$3,661 37

Work done by the Sewer Division

\$289 47

STREET IMPROVEMENTS, WARD 7.

Corning street, between Shawmut avenue and Washington
streets, asphalted.

Labor	\$11 75
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Amount paid to Barber Asphalt Paving Co.:

680.8 square yards Trinidad asphalt on existing concrete base	1,361 60
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\$1,373 35

Carried forward

<i>Brought forward</i>	\$1,373 35
Amount retained from Barber Asphalt Paving Co.:	68 08
	\$1,305 27

Amount paid out of Street Improve- ments, Ward 7	\$1,293 52
Amount paid out of Street Improve- ments, Ward 9	11 75
	<u>\$1,305 27</u>

Edinboro' street.

Amount retained from Barber Asphalt Paving Co., for work done under contract in 1895	<u>\$136 17</u>
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Milk street, between Oliver and India streets, paved with large granite blocks on a concrete base with pitch joints, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 556 feet; area, 1,870 square yards.

Labor	\$2,191 16
Teaming	1,567 00
Gravel and sand	351 62
11,000 paving brick	104 50
755 feet flagging	437 90
75 feet edgestone	46 50
24,445 large paving blocks	1,179 23
Templets	38 33
Masonry	24 50
Advertising	3 10

Amount paid to Jones & Meehan:

325.47 cubic yards American cement, concrete base	\$1,627 35
1,996 square yards granite block paving, pitch joints	1,796 40
444 feet edgestone reset	35 52
288.5 square yards brick sidewalks relaid	51 93
590.5 square yards block gravel, gravel joints	147 63
	3,658 83
	<u>\$9,602 67</u>

Ohio street, between Washington street and Shawmut avenue, asphalted, edgestone reset, brick sidewalks relaid. Length, 343 feet; area, 268 square yards.

Labor	\$256 65
Teaming	110 50
<i>Carried forward</i>	\$367 15

<i>Brought forward</i>	\$867 15
Gravel	10 78
2,300 paving bricks	23 00
Templets	7 85
Masonry	154 00
Amount paid to Boston Asphalt Co.:	
263.7 square yards Sicilian rock asphalt with cement, concrete base	791 10
	\$1,353 88
Amount retained from Boston Asphalt Co.	39 56
	<u>\$1,314 32</u>

West street.

Amount retained from H. Gore & Co., for work done under contract in 1895	<u>\$147 26</u>
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Winter street, between Washington and Tremont streets,
paved with large granite blocks on a concrete base with pitch
joints, edgestone reset, brick sidewalks relaid. Length, 503
feet; area, 1,146 square yards.

Labor	\$807 70
Teaming	1,231 00
Gravel	150 08
25,860 large granite blocks	1,810 20
336 feet flagging	194 88
131 feet edgestone and 1 large corner	86 82
Cement	22 00
Lumber	91 88
Masonry	210 00
Templets	9 60
Advertising	21 00
19,000 paving brick	185 25
Amount paid to H. Gore & Co.:	
185.3 cubic yards American cement, concrete base	\$926 50
1,141.4 square yards block paving with pitch joints	1,027 26
292 feet edgestone reset	23 36
181 square yards brick sidewalks relaid, ...	32 58
53.5 square yards block paving, gravel joints	13 38
Extra work as ordered	152 41
	2,175 49
	<u>\$6,995 90</u>
Work done by the Sewer Division	<u>\$879 77</u>

STREET IMPROVEMENTS, WARD 8.

Ashland street, between Chambers and Leverett streets, paved with gutter blocks, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 210 feet; area, 523 square yards.

Labor	\$590 60
Teaming	531 00
Gravel	141 00
15,100 gutter blocks	596 45
56 feet flagging	32 48
6,000 paving brick	57 00
35 feet edgestone	21 70
Masonry	24 50
Paving	236 28
	\$2,231 01

Barton street

Amount retained from Boston Asphalt Co., for work done under contract in 1895 \$96 41

Cotting street, between Leverett and Lowell streets, paved with small blocks, edgestone reset, brick sidewalks relaid, crossings relaid.

Labor	\$603 52
Teaming	451 50
Gravel	123 68
100.2 feet flagging	58 11
15,470 gutter-blocks	611 07
7,000 paving-brick	66 50
35 feet edgestone	21 70
Paving	256 41
	\$1,292 49

Lowell street, between Causeway and Brighton streets, paved with large blocks on a gravel base with pitch-joints, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 1,139 feet; area, 5,545 square yards.

Labor	\$4,039 65
Teaming	2,768 50
Gravel and sand	689 67
92,662 large granite blocks	4,417 57
424 feet flagging	249 42
218.2 feet edgestone	135 28
27 $\frac{5}{12}$ feet circular edgestone	36 77
40,000 paving brick	380 00
Masonry	87 50

Carried forward \$12,804 36

<i>Brought forward</i>	\$12,804 36
Cement	16 50
Advertising	26 64
Sundries	4 67
Amount paid to D. J. Kiley & Co. :	
5,752 square yards block paving, pitch-joints	\$5,176 80
1,933 feet edgestone set	154 64
1,272 square yards brick paving	228 96
86 square yards block paving, gravel-joints	21 50
Extra work, as ordered	40 25
	5,622 15
	<u>\$18,474 32</u>

Milton street repaired.

Labor	\$324 30
Work done by the Sewer Division	<u>\$382 05</u>

STREET IMPROVEMENTS, WARD 9.**Acton street work unfinished.**

Labor	\$273 50
Teaming	267 00
Gravel and sand	21 20
Flagging	16 82
2,050 paving brick	20 50
Masonry	189 00
Advertising	9 50
	<u>\$797 52</u>

East Dedham street, between Harrison avenue and Washington street, macadamized, edgestone reset, brick sidewalks relaid, gutters paved. Length, 512 feet; area, 1,934 square yards.

Labor	\$174 80
Teaming	1,315 00
Gravel	320 63
Stone	777 15
Steam roller	10 00
185 feet edgestone	114 70
320 feet flagging	185 60
17,500 paving brick	174 45
450 large blocks	24 75

<i>Carried forward</i>	<u>\$3,097 08</u>
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<i>Brought forward</i>	\$3,097 08
Cement	22 00
Masonry	315 00
Advertising	5 40
Amount paid to Jones & Meehan:	
1,023.7 feet edgestone set	\$153 56
721 square yards block paving	252 35
803.2 square yards brick paving	184 74
	590 65
	\$4,030 13

Hamburg street, between Mystic street and Harrison avenue, asphalted, edgestone reset, brick sidewalks relaid. Length, 383 feet; area, 596 square yards.

Labor	\$351 10
Teaming	295 22
Gravel	17 16
59 feet edgestone	36 58
59 feet flagging	34 22
150 large blocks	8 25
6,300 paving bricks	63 00
Masonry	196 00
Templets	7 80
Advertising	12 00

Amount paid to Boston Asphalt Co.:	
5,864 square yards Sicilian rock asphalt with American cement concrete base	1,759 20
	\$2,780 53
Amount retained from Boston Asphalt Co.	87 96
	\$2,692 57

Amount paid out of Street Improvements, Ward 9	\$2,680 57
Amount paid out of Street Improvements, Wards 17 and 18	12 00
	2,692 57

Laconia street, between Harrison avenue and Washington street, asphalted, edgestone set, brick sidewalks relaid. Length, 330 feet; area, 725 square yards.

Labor	\$1,247 65
Teaming	844 50
Gravel	91 70
350 feet edgestone	217 00
31 $\frac{4}{12}$ feet circular edgestone	40 73
<i>Carried forward</i>	\$2,441 58

<i>Brought forward</i>	\$2,441 58
140 feet flagging	81 20
750 blocks	30 04
9,750 paving brick	97 50
Templets	21 60
Masonry	273 00
Advertising	17 50

Amount paid to Barber Asphalt Paving Co.:	
686.76 square yards Trinidad lake asphalt with binder and concrete base	2,060 28

\$5,022 70

Amount retained from Barber Asphalt Paving Co.	103 01
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\$4,919 69

Meander street, between East Dedham and Malden streets, asphalted, edgestone reset, brick sidewalks relaid. Length, 307 feet; area, 460 square yards.

Labor	\$310 50
Teaming	310 00
Gravel	14 27
175 large blocks	8 08
Edgestone	11 66
Flagging	14 50
4,300 paving brick	43 00
Masonry	147 00
Advertising	9 80

Amount paid to Boston Asphalt Co.:	
417.2 square yards Sicilian rock asphalt with American cement, concrete base	1,251 60

\$2,120 41

Amount retained from Boston Asphalt Co.	62 58
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\$2,057 83

Amount paid out of Street Improvements, Ward 9 \$2,048 03

Amount paid out of Street Improvements, Wards 17 and 18 9 80

\$2,057 83

Mystic street, between Malden and East Brookline streets, asphalted, edgestone reset, brick sidewalks relaid. Length, 636 feet; area, 890 square yards.

Labor	\$843 75
Teaming	530 81
Gravel	46 81

Carried forward \$1,421 37

<i>Brought forward</i>	\$1,421 37
245 feet edgestone and 4 small corners	165 30
150 feet flagging	87 00
400 large blocks	19 30
5,050 paving brick	50 50
Masonry	210 00
Templets	7 80

Amount paid to Boston Asphalt Co.:	
803.7 square yards Sicilian rock asphalt with American cement concrete base	\$2,411 10
11.9 cubic yards concrete base	59 50
	2,470 60

	\$4,431 87
Amount retained from Boston Asphalt Co.	123 53
	\$4,308 34

Norwich street, between Mystic and Meander streets, asphalted, edgestone reset, brick sidewalks relaid. Length, 221 feet; area, 344 square yards.

Labor	\$303 15
Teaming	262 50
Gravel	14 28
35 feet edgestone	21 70
30 feet flagging	17 40
4,050 paving brick	40 50
150 large blocks	8 25
Masonry	140 00

Amount paid to Boston Asphalt Co.:	
339.4 square yards Sicilian rock asphalt with American cement concrete base	1,018 20

	\$1,825 98
Amount retained from Boston Asphalt Co.	50 91
	\$1,775 07

Taylor street, between Dwight and Milford streets, asphalted, edgestone reset, brick sidewalks relaid. Length, 196 feet; area, 262 square yards.

Labor	\$91 15
Teaming	58 50
400 paving brick	4 00
Gravel and sand	6 00
Masonry	102 00

<i>Carried forward</i>	\$261 65
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<i>Brought forward</i>	\$261 65
Amount paid to Boston Asphalt Co.:	
257.2 square yards Sicilian rock asphalt on existing concrete base	514 40
	\$776 05
Amount retained from Boston Asphalt Co.	25 72
	<u>\$750 33</u>

Union Park street, between Harrison avenue and Washington street, macadamized, edgestone reset, brick sidewalks relaid. Length, 460 feet; area, 1,007 square yards.

Labor	\$485 30
Teaming	392 00
Gravel	50 25
Stone	206 33
Flagging	9 28
10,700 paving brick	104 32
Masonry	245 00
	<u>\$1,492 48</u>

Work done by the Sewer Division	<u>\$912 21</u>
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STREET IMPROVEMENTS WARD 10.

Boylston street, between Dartmouth street and B. & A. R.R. bridge (southerly side), edgestone set, gutters paved, fence built, and

Exeter street, between Huntington avenue and Boylston street, filled, macadamized.

Labor	\$2,655 32
Teaming	1,734 50
Gravel	896 78
Filling	479 70
Stone	4,771 47
Steam roller	10 00
1,071 feet edgestone	664 02
Hardware	19 77
Lumber	299 88

Amount paid to William Higgins:

1,302 feet edgestone set	\$104 16
800 feet edgestone reset	120 00
532 square yards block paving	133 00
267 square yards block paving	93 45
	450 61

<i>Carried forward</i>	<u>\$11,982 05</u>
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<i>Brought forward</i>	\$11,982 05
Amount paid out of Street Improve- ments, Ward 10	\$3,698 91
Amount paid out of Street Improve- ments, Ward 11	3,822 59
Amount paid out of Paving Division	4,460 55
	\$11,982 05

Columbus avenue.

Amount retained from H. Gore & Co., for work done under contract in 1895	\$719 00
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Dartmouth street, between Copley square and N. Y., N. H. & H. R.R., macadamized, edgestone relaid, gutters repaved, brick sidewalks relaid, crossings relaid. Length, 467 feet; area 1,764 square yards.

Labor	\$170 20
Teaming	237 00
Gravel	117 59
Stone	88 27
	\$613 06

Amount paid out of Street Improve- ments, Ward 10	\$324 40
Amount paid out of Street Improve- ments, Ward 11	128 99
Amount paid out of Paving Division	159 67
	\$613 06

Holyoke street, macadamized, edgestone reset, brick sidewalks relaid. Length, 460 feet; area, 1,688 square yards.

Labor	\$302 00
Teaming	673 00
Gravel	190 11
Stone	356 78
Steam roller	25 00
2,000 paving bricks	20 00
Masonry	98 00
Advertising	18 00
	\$1,682 89

St. Botolph street, between Irvington street and Massachu-
setts avenue, macadamized, gutters repaved, edgestone set
and reset, brick sidewalks laid and relaid, crossings laid and
relaid. Length, 2,257 feet; area, 8,526 square yards.

Labor	\$895 85
Teaming	4,186 90
<i>Carried forward</i>	\$5,082 75

<i>Brought forward</i>	\$5,082 75
Gravel and sand	4,249 66
Stone	3,226 00
Steam roller	200 00
Loam and sods	111 00
23,250 paving brick	357 75
6 large corners	33 60
300 feet flagging	174 00
Advertising	9 00

Amount paid to James Grant & Co.:

5,682.9 feet edgestone set	\$852 44
2,668.5 square yards block paving	933 98
610 feet fence curb set	122 00
3,493 square yards brick paving	803 39
108 square yards brick paving, herring-bone	49 68
12.7 square yards brick paving, cement joints	6 35
Extra work resetting iron fence and raising coal chutes	115 00
	2,882 84
	\$16,326 60

Amount paid out of Street Improvements, Ward 10 \$14,713 35

Amount paid out of Paving Division, ... 1,613 25

\$16,326 60

Yarmouth street, macadamized, edgestone reset, brick sidewalks relaid. Length, 464 feet; area, 1,753 square yards.

Labor	\$280 60
Teaming	175 00
Stone	472 85
Masonry	7 00

\$935 45

Amount paid out of Street Improvements, Ward 10 \$761 62

Amount paid out of Paving Division 173 83

\$935 45

Work done by the Sewer Division \$1,024 82

STREET IMPROVEMENTS, WARD 11.

Arlington street, between Boylston and Marlborough streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 1,064 feet; area, 5,911 square yards.

Labor	\$1,160 67
Teaming	3,361 00
Gravel and sand	1,792 96
4,600 gutter blocks	181 70
289 feet flagging	167 62
10,000 paving bricks	135 00
Stone	1,961 03
Steam roller	190 00
Advertising	8 63

Amount paid to James Grant & Co.:

1,334.8 square yards block paving	\$467 18
2,064.5 feet edgestone set	309 68
3,120 square yards brick paving	717 60
171 square yards flagging crossings	59 85
	1,554 31
	\$10,512 92

Amount paid out of Street Improve-
ments, Ward 11 \$10,347 68

Amount paid out of Paving Division 165 24

\$10,512 92

Berkeley street, between Boylston and Beacon streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid, crossings relaid. Length, 1,325 feet; area, 5,889 square yards.

Labor	\$914 70
Teaming	1,646 00
Gravel	424 81
Stone	577 12
Steam roller	110 00
2,000 paving brick	20 00

Amount paid to James Grant & Co.:

714 feet edgestone set	\$57 12
649 square yards block paving	194 25
651 square yards brick paving	117 18
	368 55
	\$4,061 18

Amount paid out of Street Improve-
ments, Ward 11 \$3,157 54

Amount paid out of Paving Division 903 64

\$4,061 18

Brimmer street.

Amount retained from Barber Asphalt Paving Co.
for work done under contract in 1895

\$490 80

Brookline avenue.

Teaming	\$258 50
Gravel	133 76
Stone	39 60
Advertising	9 00

 \$440 86

 Amount paid out of Street Improve-
ments, Ward 11

\$267 50

Amount paid out of Paving Division . 173 36

 \$440 86
Charles street.
 Amount retained from H. Gore & Co. for work
done under contract in 1895

 \$25 49

Mt. Vernon street, between Charles and Willow streets, 125
square yards, repaved; 1,543 square yards macadamized,
edgestone reset, brick sidewalks relaid, crossings relaid.

Labor	\$891 25
Teaming	454 50
Gravel	79 95
8,000 paving brick	76 00
Masonry	10 50

 \$1,512 20
Pinckney street.
 Amount retained from Barber Asphalt Paving Co.
for work done under contract in 1895

 \$106 50

Work done by the Sewer Division

 \$752 37
STREET IMPROVEMENTS, WARD 12.

East Brookline street, between Harrison avenue and Wash-
ington street, macadamized, edgestone reset, brick sidewalks
relaid, gutters repaved. Length, 567 feet; area, 2,142 square
yards.

Labor	\$702 62
Teaming	979 50
Gravel and sand	273 92
50 feet flagging	29 00
20,640 paving bricks	201 24
Stone	683 28
Steam roller	60 00
Masonry	294 00

Carried forward \$3,223 56

<i>Brought forward</i>	\$3,223 56
Amount paid to Jones and Meehan:	
1,010 feet edgestone set	\$80 80
444 square yards block paving	111 00
931 square yards brick paving	167 58
	\$359 38
	\$3,582 94

Massachusetts avenue, between Huntington avenue and St. Botolph street, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid. Length, 259 feet; area, 1,727 square yards.

Labor	\$154 65
Teaming	66 00
Gravel and sand	128 58
Stone	295 77
Loam and sods	158 12
Paving	244 12
	\$1,047 24

Reed street, between Northampton and Hunneman streets, macadamized. Length, 1,205 feet; area, 3,036 square yards.

Labor	\$273 42
Teaming	738 50
Stone	1,405 93
	\$2,417 85

Amount paid out of Street Improvements, Ward 12 \$1,775 20

Amount paid out of Street Improvements, Ward 17 642 65

\$2,417 85

West Brookline street, between Tremont and Washington streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid. Length, 1,035 feet; area, 3,680 square yards.

Labor	\$309 38
Teaming	1,812 80
Gravel and sand	628 25
275 feet flagging	159 50
159 feet edgestone and 8 small corners	100 58
48,705 paving bricks	478 99
Stone	1,485 78
Steam roller	175 00
Masonry	511 00
Cement	11 00
Advertising	7 60

Carried forward \$5,679 88

<i>Brought forward</i>		\$5,679 88
Amount paid to Chas. E. Barnes :		
1,473 feet edgestone set	\$265 14	
433 square yards block paving	151 55	
729 square yards brick paving	167 67	
194 square yards brick paving, herring-bone	83 42	
171 square yards excavation	17 10	
		684 88
Amount paid to Jones & Meehan :		
2,364.3 feet edgestone set	\$354 65	
1,127 square yards block paving	394 45	
95.8 square yards round paving	33 53	
1,738.8 square yards brick paving	399 92	
34.4 square yards brick paving, herring-bone on edge	18 92	
		1,201 47
		<u>\$7,566 23</u>
Work done by the Sewer Division		<u>\$408 90</u>

STREET IMPROVEMENTS, WARD 13.

Athens street.

Amount retained from Boston Asphalt Company for work done under contract in 1895	\$121 27
Work done by the Bridge Division	<u>\$3,582 15</u>

STREET IMPROVEMENTS, WARD 14.

L street, between Ninth street and Broadway, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid, crossings laid. Length, 1,753 feet ; area, 6,622 square yards.

Labor	\$2,639 25
Teaming	755 50
Gravel	274 00
Stone	1,812 81
332 feet flagging	192 56
15,000 paving bricks	146 25
Advertising	35 25
Amount paid to William Higgins :	
2,079.4 feet edgestone set	\$166 35
169.2 square yards block paving	42 30
902 square yards round paving	225 50
1,584.8 square yards brick paving	285 27
84.5 square yards brick paving, herring-bone	30 42
	749 84
	<u>\$6,605 46</u>

Work done by the Sewer Division	\$797 14
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STREET IMPROVEMENTS, WARD 15.

East Fifth street, between G and H streets, macadamized.

Labor	\$385 25
Teaming	106 00
Gravel	75 00
Stone	320 63
	\$886 88

East Fourth street, between Linden and G streets, macadamized. Length, 171 feet; area, 646 square yards.

Labor	\$271 40
Teaming	141 50
Stone	287 26
Flagging	59 16
	\$759 32

Amount paid out of Street Improvements, Ward 15	\$703 32
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Amount paid out of Street Improvements, Ward 14	56 00
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\$759 32

G street, between Dorchester and Fifth streets, macadamized. Length, 886 feet; area, 3,336 square yards.

Labor	\$724 50
Teaming	484 50
Stone	533 54
Advertising	8 40

\$1,750 94

Amount paid out of Street Improvements, Ward 15	\$1,174 29
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Amount paid out of Street Improvements, Ward 14	576 65
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\$1,750 94

Old Harbor street, between Thomas park and Dorchester street, macadamized. Length, 520 feet; area, 1,964 square yards.

Labor	\$271 40
Teaming	442 00
Gravel	112 00
Stone	575 11
Advertising	18 00

\$1,418 51

Telegraph street, between Thomas park and Dorchester street, macadamized, gutters repaved, edgestone reset, crossings relaid, brick sidewalks relaid. Length, 926 feet; area, 3,070 square yards.

Labor	\$577 30
Teaming	121 50
Gravel	118 41
Stone	654 95
15,000 paving brick	146 25
Amount paid to J. B. O'Rourke	16 00
1,686.6 feet edgestone set	\$252 99
50.5 square yards block paving	17 68
709.1 square yards round paving	248 19
1,363.9 square yards brick paving	313 70
22.5 square yards brick paving, herring-bone	9 23
	841 79
	\$3,258 24

Thomas park, between Old Harbor and Atlantic streets, macadamized. Length, 300 feet; area, 1,000 square yards.

Labor	\$239 20
Teaming	27 00
Gravel	78 00
Stone	517 35
	\$861 55

STREET IMPROVEMENTS, WARD 16.

East Cottage street, between N. Y. & N. E. R.R. and Dorchester avenue, macadamized, sidewalks gravelled, crossings laid. Length, 3,290 feet; area, 10,200 square yards.

Labor	\$956 80
Teaming	517 50
Gravel	455 40
Stone	3,142 76
Steam roller	240 00
200 feet flagging	116 00
Advertising	24 00
Paving	36 54
	\$5,489 00

Dean street, between Howard avenue and Judson street, macadamized, gutters paved, edgestone laid, brick sidewalks laid. Length, 533 feet; area, 1,094 square yards.

Labor	\$133 40
Teaming	648 67
Gravel and sand	441 45
Stone	595 81

Amount paid to Chas. E. Barnes:

1,081 feet edgestone set	\$194 58
24 square yards block paving	9 60
367 square yards round paving	146 80
154 square yards brick paving	43 12
6 days, paver	\$30 00
24 days, labor	48 00
60 days, quarrying	150 00
80 days, grading and cleaning up	160 00
20 days, foreman	60 00
18 days, stonecutter	90 00
12½ days, mason	42 00
29 days, watchman	58 00
	\$638 00
Plus 15 per cent	95 70
	733 70
Dynamite and explosives	25 00
	1,152 80
	\$2,972 13

Fairbury street, between Blue Hill avenue and Rand street,
macadamized, retaining-wall built.

Labor	\$142 60
Teaming	324 00
Stone	21 00
Building wall	68 04
	\$555 64

Leyland street, between East Cottage street and Burgess
street, macadamized, sidewalks built, one catch-basin built.
Length, 715 feet; area, 2,065 square yards.

Labor	\$414 00
Teaming	421 00
Gravel	42 24
Stone	1,282 09
Advertising	17 40
Steam-roller	100 00
	\$2,276 73

Monadnock street, between Dudley and Bird streets, macadamized. (Work unfinished.) Length, 1,429 feet; area, 4,129 square yards.

Labor	\$193 20
Teaming	29 00
Stone	215 94
Steam-roller	50 00

\$488 14

Work done by the Sewer Division \$1,716 59

STREET IMPROVEMENTS, WARD 17.

Eustis street, between Dearborn and Magazine streets, macadamized, gutters repaved, edgestone reset, brick side walks relaid, crossings relaid. Length, 1,976 feet; area, 5,762 square yards.

Labor	\$403 95
Teaming	1,519 00
Gravel and sand	1,467 90
Stone	2,405 33
Steam roller	210 00
48,000 paving brick	468 00
Advertising	44 40

Amount paid to Chas. E. Barnes:

4,010 feet edgestone set	\$721 80
1,431.7 square yards block paving	501 10
2,683.5 square yards brick paving	617 21
33.2 square yards brick paving, herring-bone	14 28
9.5 square yards brick paving, herring-bone on edge	5 23
152 square yards flagging laid	53 20

Extra work as ordered:

20 days, foreman, cleaning up and loading teams	\$60 00
122 $\frac{4}{5}$ days, labor, cleaning up and loading teams	244 88
20 days, mason, cementing joints	70 00
59 days, labor, grading	118 00
1 $\frac{3}{4}$ days, putting in retaining plank	2 67
$\frac{2}{3}$ days, fixing manholes	2 33
27 days, paver, repaving gutters and sidewalks	135 00

Carried forward \$632 88 \$1,912 82 \$6,518 58

<i>Brought forward</i> . . .	\$632 88	\$1,912 82	\$6,518 58
16 days paver, tender, gutters and sidewalks . . .	36 00		
27 days, paver laborer, gutters and sidewalks . . .	54 00		
23 days, stonecutter . . .	115 00		
92 days, labor, barring and ramming . . .	184 00		
13 days, watchman, lighting . . .	26 00		

\$1,047 88

Add 15 per cent . . . 157 17

1,205 05

\$3,117 87

\$9,636 45

Amount paid out of Street improvements, Ward 17 . . . \$8,320 84

Amount paid out of Street Improvements, Ward 12 . . . 777 87

Amount paid out of Paving Division . . . 537 74

\$9,636 45

Island street, between Hampden and Magazine streets, macadamized. Length, 708 feet; area, 2,045 square yards.

Labor	\$165 60
Teaming	222 00
Stone and stone screenings	1,820 53
Advertising	8 00

\$2,216 13

Amount paid out of Street Improvements, Ward 17 . . . \$1,679 60

Amount paid out of Paving Division . . . 536 53

\$2,216 13

Magazine street, between Norfolk avenue and Swett street, graded, gutters paved. Length, 2,096 feet; area, 6,055 square yards.

Labor	\$1,051 10
Teaming	968 50
Gravel	97 02
Stone	65 31

\$2,181 93

Amount paid out of Street Improvements, Ward 17 . . . \$1,426 62

Carried forward \$1,426 62 \$2,181 93

<i>Brought forward</i>	\$1,426 62	\$2,181 93
Amount paid out of Street Improve- ments, Ward 12	618 00	
Amount paid out of Paving Division	137 31	
		<u>\$2,181 93</u>

Marshfield street, resurfaced. Length, 837 feet; area 2,419 square yards.

Labor	\$438 15
Teaming	212 00
Gravel and sand	267 40
Paving	92 16
	<u>\$1,009 71</u>

Massachusetts avenue, between Swett and Albany streets, paved with large granite blocks, edgestone set, gravel sidewalks built. Length, 519 feet; area, 3,575 square yards.

Labor	\$1,926 69
Teaming	1,077 19
Gravel	2,072 30
850 feet flagging	493 00
44,533 large paving blocks	1,918 75
2,875 asphalt blocks	115 00
734 feet edgestone, 4 large and two small corners	484 18
10,500 paving bricks	102 50
Lumber	46 21
Masonry	42 00
Rent	80 00
Sundries	12 00
Advertising	18 00

Amount paid to Doherty & Connors:	
3,811 square yards block paving	\$952 75
1,065 feet edgestone set	85 20
124 square yards flagging laid	31 00
	1,068 95
	<u>\$9,456 77</u>

Amount paid out of Street Improve-
ments, Ward 17 \$8,609 64

Amount paid out of Street Improve-
ments, Ward 12 660 55

Amount paid out of Paving Division 186 58

\$9,456 77

Pontine street, sidewalks made.

Teaming	\$10 00
Screenings	58 50

Carried forward \$68 50

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<i>Brought forward</i>	\$68 50
Gravel and sand	204 70
Paving	50 67
	\$323 87

Work done by the Sewer Division \$1,609 32

STREET IMPROVEMENTS, WARD 18.

Linden Park street, between Tremont and Cabot streets, macadamized, gutters repaved, edgestone reset, brick sidewalks relaid.

Labor	\$220 80
Teaming	1,125 00
Gravel and sand	1,225 95
Stone	568 50
12,000 paving bricks	117 00
Advertising	10 40

Amount paid to Chas. E. Barnes :

2,496 feet edgestone set	\$449 28
706 square yards block paving	247 10
408 square yards round paving	142 80
1,046 square yards brick	240 58
	1,079 76
	<u>\$4,347 41</u>

Tremont street (at Cabot street), repaved.

Gravel and sand	\$190 10
Paving	298 55
	\$488 65

Washington street, between Roxbury and Eustis streets, repaved, crossings reset. Length, 1,200 feet ; area, 5,333 square yards.

Labor	\$173 70
Teaming	518 00
Gravel and sand	1,039 35

Amount paid to Chas. E. Barnes :

112 feet, edgestone set	\$20 16
5,374 square yards block paving	1,880 90
99 square yards brick paving	22 77

Carried forward \$1,923 83 \$1,731 05

<i>Brought forward</i>	\$1,923 83	\$1,731 05
Extra work as ordered, resetting cross-ings, loading and unloading teams, cleaning up, etc.		
40 days, foreman	\$126 00	
36 days, paver	180 00	
18 days, rammer	40 50	
56 days, laborer	112 00	
140 days, laborer	280 00	
41 days, stonecutter	205 00	
46 days, watchman	92 00	
Furnishing electric lights	10 00	
	\$1,045 50	
Add 15 per cent	156 83	
	1,202 33	
		3,126 16
		\$4,857 21
Work done by the Sewer Division		\$920 49

STREET IMPROVEMENTS, WARD 19.

Smith street, between Parker street and Huntington avenue, macadamized, gutters paved, edgestone reset, brick sidewalks relaid. Length, 1,750 feet; area, 5,055 square yards.

Labor	\$821 41
Teaming	1,528 00
Gravel and sand	1,653 60
Stone	2,304 33
Steam roller	160 00
20,000 paving brick	195 00
127 feet flagging	73 66
350 gutter blocks	19 25
Masonry	14 00
Advertising	19 50

Amount paid to Thomas O'Leary :

3,300.1 feet edgestone set	\$264 01
637.2 square yards block paving	159 30
1,041 square yards round paving	260 25
1890.6 square yards brick paving	340 31
	1,023 87
	\$7,812 62

Wait street, repaired.

Labor	\$23 00
Teaming	86 00
	\$109 00
Work done by the Sewer Division	\$1,500 20

STREET IMPROVEMENTS, WARD 20.

Blue Hill avenue, between Warren and Savin streets, resurfaced.

Labor	\$167 20
Teaming	304 50
Gravel	227 60
Stone	582 83
Steam roller	20 00
	<u>\$1,302 13</u>

Charles street, between Ditson street and Geneva avenue, and between Ditson street and Dorchester avenue, macadamized, sidewalks repaired. Length, 1,390 feet; area, 4,015 square yards.

Labor	\$1,200 60
Teaming	994 00
Gravel	142 56
Stone	640 32
Advertising	9 20
	<u>\$2,986 68</u>

Faulkner street, between Dorchester avenue and Freeman street, macadamized. Length, 509 feet; area, 1,301 square yards.

Labor	\$142 60
Teaming	155 00
Gravel	104 28
Stone	586 54
Advertising	27 00
	<u>\$1,015 42</u>

Freeport street, between Dorchester avenue and Pleasant street, macadamized, gutters repaved, edgestone reset, crossings relaid, brick sidewalks relaid. Length, 750 feet; area, 3,300 square yards.

Labor	\$1,065 40
Teaming	510 00
Gravel	432 96
Stone	1,632 19
Steam roller	130 00
230 feet flagging	133 40

Carried forward \$3,903 95

<i>Brought forward</i>	\$3,903 95
Amount paid to James Dolan & Co.:	
1,416 feet edgestone set	\$113 28
88.5 square yards block paving	22 13
672.4 square yards round paving	168 10
	303 51
	\$4,207 46

Geneva avenue, between Bowdoin and Columbia streets, macadamized, edgestone set. Length, 2,062 feet; area, 5,536 square yards.

Labor	\$818 55
Teaming	593 70
Gravel	314 16
Stone	2,005 57
153 $\frac{1}{2}$ feet edgestone	199 35
Paving	31 26
	\$3,962 57

Hartland street, between Sydney and Saxton streets, macadamized. Length, 319 feet; area, 922 square yards.

Labor	\$110 40
Teaming	85 48
Gravel	38 28
Stone	560 18
	\$794 34

Mayfield street, between Pleasant and Bakersfield streets, macadamized, gutters paved. Length, 407 feet; area, 1,174 square yards.

Labor	\$262 20
Teaming	270 00
Gravel	105 60
Stone	404 90
Paving	93 81
Advertising	10 60
	\$1,147 11

Romsey street, between Dorchester avenue and Sydney street, macadamized, filled, gutters paved, sidewalks repaired. Length, 1,546 feet; area, 4,466 square yards.

Labor	\$648 60
Teaming	413 50
<i>Carried forward</i>	\$1,062 10

<i>Brought forward</i>	\$1,062 10
Gravel	198 00
Stone	1,216 64
Steam-roller	110 00
Paving	111 41
	\$2,698 15

Sagamore street, resurfaced.

Gravel	\$22 44
Stone	528 04
	\$550 48

Salcombe street, between Stoughton street and Cushing avenue, excavated, filled, edgestone set, gutters paved, sidewalks constructed, 4 catch-basins built. Length, 735 feet; area, 1,961 square yards.

Labor	\$783 37
Teaming	645 69
Gravel	195 36
Stone	238 34
Lumber	17 50
Advertising	9 00

Amount paid to James Dolan :

1,481 feet edgestone set	\$222 15
494.1 square yards block paving	172 94
	395 09
	\$2,284 35

School street, between Harvard and Washington streets, resurfaced.

Labor	\$41 40
Teaming	60 00
Gravel	52 80
Stone	228 32
	\$382 52

Washington street, between Bowdoin street and Talbot avenue, resurfaced. Length, 3,300 feet; area, 14,667 square yards; between Brent and Ashmont streets (northerly side), and opposite estate of Dorchester Baptist Temperance Church, widened, excavated, filled, sub-graded, rock cutting, edgestone set, gutters paved, brick sidewalks laid; corner Walton and Roslin streets. Length, 1,236 feet; area, 1,785 square

yards; between Brent and Ashmont streets (one-half street), Telford base, macadamized. Length, 1,236 feet; area, 5,493 square yards; corner Brent and Washington streets, retaining-wall constructed.

Labor	\$2,346 83
Teaming	1,934 28
Gravel and sand	420 39
Stone	1,536 67
100 feet flagging	58 00
270 $\frac{4}{12}$ feet edgestone	189 24
92 $\frac{4}{12}$ feet circular edgestone	120 02
Crossing blocks	250 00
Powder and fuse	32 79
Laying steps	76 00
Paving	159 52

\$7,123 74

Amount paid out of Street Improvements, Ward 20 \$2,422 93

Amount paid out of Street Improvements, Ward 24 4,700 81

\$7,123 74

Work done by the Bridge Division \$43 72

Work done by the Sewer Division \$1,202 14

STREET IMPROVEMENTS, WARD 21.

Crawford street, macadamized. Length, 3,560 feet; area, 10,285 square yards.

Labor	\$1,338 99
Teaming	1,890 59
Gravel	923 55
Stone	2,407 88
Paving	73 32
Advertising	7 40

\$6,641 73

Holborn street, macadamized, gutters relaid. Length, 1,185 feet; area, 3,423 square yards.

Labor	\$174 80
Teaming	477 00
Gravel	330 50

\$982 30

Howland street, between Humboldt and Elm Hill avenues, macadamized, edgestone reset, gutters repaved, brick sidewalks laid. Length, 2,022 feet; area, 5,842 square yards.

Labor	\$778 55
Teaming	1,099 69
Gravel and sand	575 65
Stone	921 98
Steam-roller	10 00
Edgestone	26 54

Amount paid to Austin Ford & Son:

63.2 feet edgestone set	\$9 48
21 square yards block paving	7 35
102 square yards brick paving	23 46
	40 29

Amount paid to John McCourt:

1,072 feet edgestone set	\$192 96
527.4 square yards block paving	184 59
770.9 square yards brick paving	177 31
	554 86

\$4,007 56

Amount paid out of Street Improvements, Ward 21 \$3,733 21

Amount paid out of Paving Division 274 35

\$4,007 56

Maywood street (unfinished work from 1895).

Teaming	\$177 50
Gravel	106 75
Paving	34 48

\$318 73

Ruthven street, macadamized. Length, 2,287 feet; area, 7,582 square yards.

Labor	\$266 80
Teaming	967 88
Gravel	336 80
Stone	448 50
Paving	84 91

\$2,104 89

Sherman street, macadamized, gutters paved, crossings laid. Length, 1,238 feet; area, 3,165 square yards.

Labor	\$278 30
Teaming	610 00

Carried forward \$888 30

<i>Brought forward</i>	\$888 30
Gravel and sand	218 90
Stone	569 35
180 feet flagging	104 40
600 gutter blocks	28 35

\$1,809 30

Amount paid out of Street Improve-
ments, Ward 21 \$1,562 78

Amount paid out of Paving Division 246 52

\$1,809 30

Walnut avenue, macadamized. Length, 5,572 feet; area,
21,976 square yards.

Labor	\$407 70
Teaming	955 50
Gravel and sand	588 25
Stone	1,943 61
Steam roller	60 00
Paving	56 43

\$4,011 49

Amount paid out of Street Improve-
ments, Ward 21 \$3,820 59

Amount paid out of Street Improve-
ments, Ward 22 190 90

\$4,011 49

Work done by the Sewer Division \$1,262 36

STREET IMPROVEMENTS, WARD 22.

Bickford street, edgestone set, sidewalks gravelled.

Labor	\$43 70
Teaming	374 50
Gravel	84 00
Paving	98 64

\$600 84

Boylston street, between Washington street and Boylston
avenue, macadamized. Length, 1,292 feet; area, 3,732 square
yards.

Labor	\$234 60
Teaming	220 67
Gravel	94 45
Stone	285 29

Carried forward \$835 01

<i>Brought forward</i>	\$835 01
Paving	372 34
Advertising	7 60

\$1,214 95.

Amount paid out of Street Improve- ments, Ward 22	\$929 66
Amount paid out of Paving Division	285 29

\$1,214 95

Bromley park, crossings laid.

Labor	\$13 80
150 feet flagging	92 22
Paving	43 23

\$149 25

Bromley street, repaired.

Teaming	\$87 00
Sand and gravel	78 50
50 feet flagging	29 00

\$194 50

Burroughs street, sidewalks repaired.

Stone dust	\$88 75
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**Creighton street, between Day and Sunnyside streets, mac-
adamized, gutters paved, crossings laid, edgestone set.**
Length, 825 feet; area, 2,383 square yards.

Labor	\$291 38
Teaming	1,052 65
Gravel	843 50
Stone	1,953 94
Steam roller	140 00
304 feet flagging	176 32

Amount paid to Chas. E. Barnes:	
412 feet edgestone set	\$74 16
26.8 square yards block paving	9 38
509 square yards barrel gutters paved	229 05

312 59

\$4,770 38

Amount paid out of Street Improve- ments, Ward 22	\$4,316 21
Amount paid out of Paving Division	454 17

\$4,770 38

Green street, sidewalks repaired.

Stone dust	\$142 50
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Lamartine street, between Green and Paul Gore streets, macadamized, edgestone reset, gutters repaved, crossings relaid.
Length, 2,608 feet; area, 6,673 square yards.

Labor	\$565 22
Teaming	1,080 50
Gravel	316 25
Stone	1,345 87
Steam roller	20 00
70 feet flagging	40 25
Advertising	14 40

Amount paid to James Dolan:

53 square yards block paving	\$18 55
49 days, pavers	220 50
43 days, rammers	107 50
90 days, tenders	202 50
	549 05
	\$3,931 54

Amount paid out of Street Improvements, Ward 22	\$3,876 41
Amount paid out of Paving Division	55 13

\$3,931 54

Work done by the Sewer Division	<u>\$811 96</u>
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STREET IMPROVEMENTS, WARD 23.

Ashfield street, repaired.

Teaming	\$135 00
Gravel	378 00
	\$513 00

Amount paid out of Street Improvements, Ward 23	\$135 00
Amount paid out of Street Improvements, Ward 22	378 00

\$513 00

Baker street, between Centre and Spring streets, resurfaced.
Length, 2,250 feet; area, 6,500 square yards.

Labor	\$135 15
Teaming	76 50
Gravel	206 10
Stone	1,346 36

\$1,764 11

Canterbury street, between Morton street and Ashland street, resurfaced. Length, 8,340 feet; area, 21,300 square yards.

Labor	\$1,076 40
Teaming	2,292 00
Gravel	2,873 60
Stone	1,920 00
Paving	91 25
	\$8,253 25

Amount paid out of Street Improvements, Ward 23 \$6,522 25

Amount paid out of Street Improvements, Ward 22 1,117 50

Amount paid out of Paving Division 613 50

\$8,253 25

Centre street, between Spring street and Dedham line, resurfaced. Length, 7,846 feet; area, 30,002 square yards.

Labor	\$1,660 95
Teaming	971 02
Gravel and sand	492 20
Filling	2,173 00
Stone	4,959 01
Steam roller	50 00
Paving	211 78
Sundries	25 61

\$10,543 57

Amount paid out of Street Improvements, Ward 23 \$6,080 15

Amount paid out of Street Improvements, Ward 22 3,164 35

Amount paid out of Paving Division 1,299 07

\$10,543 57

Conway street, repaired.

Teaming	\$150 00
Gravel	274 75

\$424 75

Amount paid out of Street Improvements, Ward 23 \$150 00

Amount paid out of Street Improvements, Ward 22 274 75

\$424 75

Corey street, between Weld and Montview streets, resurfaced.

Length, 1,300 feet; area, 3,756 square yards.

Labor	\$124 20
Teaming	209 00
Gravel	66 60
Stone	1,260 34
Paving	147 70

\$1,807 84

Amount paid out of Street Improve-
ments, Ward 23 \$547 50

Amount paid out of Street Improve-
ments, Ward 22 1,031 27

Amount paid out of Paving Division 229 07

\$1,807 84

Fairview street, resurfaced.

Labor	\$78 20
Teaming	217 50
Gravel	260 75

\$556 45

Hastings street, between Centre and Montview streets, resur-
faced, gutters paved. Length, 1,152 feet; area, 3,329 square
yards.

Labor	\$660 10
Teaming	820 00
Gravel	357 30
Stone	1,178 57
Steam roller	110 00
Paving	252 50
Advertising	28 20

\$3,406 67

Amount paid out of Street Improve-
ments, Ward 23 \$3,239 67

Amount paid out of Street Improve-
ments, Ward 22 167 00

\$3,406 67

Hewlett street, between Centre and Walter streets, resur-
faced. Length, 1,677 feet; area, 4,880 square yards.

Labor	\$523 40
Teaming	530 50
Gravel	124 20
Stone	873 56
Steam roller	50 00
Advertising	6 00

Carried forward \$2,107 66

<i>Brought forward</i>	\$2,107 66
Amount paid out of Street Improve- ments, Ward 23	\$1,112 10
Amount paid out of Paving Division	995 56
	\$2,107 66

Hyde Park avenue, between Forest Hills and Mt. Hope streets, resurfaced.

Stone	\$1,388 14
Teaming	9 50
Gravel	16 20
	\$1,413 84

Morton street, between Washington and Harvard streets, resurfaced. Length, 7,740 feet; area, 24,444 square yards.

Labor	\$836 12
Teaming	1,339 50
Gravel	359 10
Stone	7,486 49
	\$10,021 21

Keyes street, between Forest Hills street and railroad, resurfaced. Length, 1,920 feet; area, 5,547 square yards.

Labor	\$177 70
Teaming	428 50
Gravel	51 30
Stone	1,193 00
	\$1,850 50

Ruskin street, between Corey and Weld streets. Length, 545 feet; area, 1,574 square yards.

Labor	\$73 60
Teaming	209 00
Gravel	45 00
Rock excavating	150 75
Paving	171 85
	\$650 20

Sycamore street, repaired.

Teaming	\$225 00
Gravel	153 90
	\$378 90

Amount paid out of Street Improve- ments, Ward 23	\$133 00
Amount paid out of Paving Division	245 90

\$378 90

Temple street, between Ivory and Mt. Vernon streets, resurfaced. Length, 2,300 feet; area, 7,645 square yards.

Labor	\$377 20
Teaming	526 00
Gravel	39 60
Stone	508 14
	\$1,450 94

Vermont avenue, entire length, resurfaced. Length, 1,442 feet; area, 4,306 square yards.

Labor	\$581 90
Teaming	347 50
Stone	42 08
	\$971 48

Amount paid out of Street Improvements, Ward 23	\$800 90
Amount paid out of Street Improvements, Ward 22	170 58

\$971 48

Walk Hill street, between Harvard street and Mt. Hope Cemetery entrance, resurfaced. Length, 1,000 feet; area, 2,889 square yards.

Labor	\$239 20
Teaming	530 50
Stone	502 50
Gravel	343 20
	\$1,615 40

Amount paid out of Street Improvements, Ward 23	\$769 70
Amount paid out of Street Improvements, Ward 22	706 50
Amount paid out of Paving Division	139 20

\$1,615 40

Washington street, Lagrange street to Dedham line, repaired. Length, 7,415 feet; area, 32,846 square yards.

Labor	\$2,796 73
Teaming	2,373 13
Gravel	554 40
138 feet flagging	80 04
Stone	5,705 30
Steam roller	90 00
Advertising	4 50

Carried forward \$11,604 10

<i>Brought forward</i>	\$11,604 10
Amount paid to James Dolan :	
65 days, paver	\$292 50
51 days, rammer	127 50
108 days, tender	243 00
372.3 feet edgestone set	29 78
124.5 square yards block paving	31 13
	723 91

\$12,328 01Amount paid out of Street Improve-
ments, Ward 23 \$8,787 86Amount paid out of Street Improve-
ments, Ward 22 3,540 15

\$12,328 01

Weld street, between Arnold and Ruskin streets, resurfaced.
Length, 1,600 feet; area, 3,556 square yards.

Labor	\$161 00
Teaming	610 50
Stone	3,122 97

\$3,894 47Amount paid out of Street Improve-
ments, Ward 23 \$1,673 06Amount paid out of Street Improve-
ments, Ward 22 1,457 55

Amount paid out of Paving Division . 763 86

\$3,894 47

Work done by the Sewer Division \$2,341 56

STREET IMPROVEMENTS, WARD 24.

Adams street, between Dorchester avenue and O. C. R.R., re-
surfaced.

Labor	\$64 40
Teaming	62 50
Stone	235 14

\$362 04

Ashmont street, between Adams and Wrentham streets, re-
surfaced, gutters paved, sidewalks gravelled. Length, 990
feet; area, 3,080 square yards.

Labor	\$220 80
Teaming	219 00
Gravel	93 72
Paving	81 55

\$615 07

Norfolk street, between Morton and Walk Hill streets, macadamized, sidewalks constructed. Length, 2,392 feet; area, 7,973 square yards.

Labor	\$1,037 71
Teaming	1,980 00
Gravel	680 30
Stone	4,421 86
Drain pipe	40 80
Lumber	15 81
Advertising	6 80

\$8,183 28

Amount paid out of Street Improvements, Ward 24	\$7,963 92
Amount paid out of Paving Division	219 36

\$8,183 28

Oakland street, between River street and N. Y. & N. E. R.R., constructed, excavated, filled, rock-cutting, sub-graded, macadamized. Length 1,290 feet; area 4,300 square yards.

Labor	\$1,353 43
Teaming	720 50
Gravel	274 56
Stone	1,104 73

\$3,453 22

Work done by the Sewer Division	\$7,904 94
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STREET IMPROVEMENTS, WARD 25.

Bigelow street, between Faneuil and Brooks streets, sub-graded, gutters paved, crossings laid, sidewalks built. Length, 3,010 feet; area, 9,336 square yards.

Labor	\$2,338 33
Teaming	2,888 00
Gravel	4,586 60
Stone	160 05
Flagging	39 12
Gutter blocks	7 90

Amount paid to James Grant & Co :

163 feet edgestone set	\$13 04
3,035.8 square yards block paving	758 95

771 99

\$10,791 99

Amount paid out of Street Improvements, Ward 25	\$4,435 63
Amount paid out of Paving Division	6,35 366

\$10,791 99

Linden street, between Brighton and Commonwealth avenues, resurfaced, edgestone set, gutters paved. Length, 630 feet; area, 1,820 square yards.

Labor	\$103 26
Teaming	62 50
Gravel	42 50
Stone	199 80
	\$408 06

Market street, between Western avenue and Washington street, resurfaced, crossings laid and relaid. Length, 4,963 feet; area, 26,358 square yards.

Labor	\$189 75
Teaming	419 50
Gravel	166 60
Stone	326 17
Flagging	43 50
Paving	23 75
	\$1,169 27

Reedsdale street, between Brighton and Commonwealth avenues, resurfaced. Length, 621 feet; area, 2,070 square yards.

Teaming	\$112 50
Gravel	47 60
Stone	246 45
Steam roller	50 00
	\$456 55

Rockland street, between Washington street and Chestnut Hill avenue, macadamized. Length, 680 feet; area, 1,889 square yards.

Labor	\$148 35
Teaming	174 00
Gravel	42 50
Stone	435 60
	\$800 45

Amount paid out of Street Improvements, Ward 25 \$148 35

Amount paid out of Paving Division 652 10

\$800 45

Tremont street, repaired.

Labor	\$80 50
Teaming	50 00
Stone	28 05
	\$158 55

Work done by the Sewer Division \$500 00

BLUE HILL AND OTHER AVENUES.

Blue Hill avenue, construction.

Labor, including engineering and inspection	\$22,416 42
Teaming	4,139 72
290,810 gutter blocks	11,486 99
1,751 $\frac{9}{12}$ feet edgestone	1,074 93
12 small corners	40 20
7 large corners	39 20
1,317 $\frac{9}{12}$ feet circular edgestone	1,713 09
Gravel	223 08
Stone	17,486 61
Steam roller	313 75
Lumber	432 57
Hardware, tools, etc.	18 85
Fuel	37 15
Printing	152 34
Advertising	248 18
Rent of office	204 00
Wharfage on blocks	504 60
Shanties, carting and furnishing	372 59
Engineer's expenses	437 36
Sundries	166 91

Amount paid to J. McDonald (Section 1) :

3,728.72 cubic yards rock excavation, at \$1.35	\$5,033 77
2,030.84 cubic yards rock hauled, at 25 cents	507 71

\$5,541 48

Less amount paid in 1895 459 00

5,082 48

Amount paid to Davern & Cronin (Sections 2 and 3) :

6,989.36 cubic yards sub-grading, at 44 cents	\$3,075 32
5,995.30 square yards Telford base hauled and placed, at 20 cents	1,199 06
5,995 square yards macadam hauled and placed, at 6 cents	359 70
585.9 square yards granite block gutters furnished and laid, at \$2.50	1,464 75
1,428 cubic yards loam hauled and placed, at 30 cents	428 40
627.6 feet edgestone furnished and set, at \$1.75	1,098 30

Carried forward \$7,625 53 \$66,591 02

<i>Brought forward</i>	\$7,625 53	\$66,591 02
4,081.9 square yards gravel sidewalks furnished and laid, at 15 cents	612 29	
45.5 square yards flagging crossings furnished and laid, at \$5.00	227 50	
2,091.8 cubic yards ledge excavation, at \$2.00	4,183 60	
Removing trees, etc.	10 00	
17 covers reset, at \$3.00	51 00	
356 square yards old gutters relaid, at \$1.00	356 00	
2,103.8 feet edgestone (old, reset), at \$1.25	2,629 75	
Extra work as ordered: filling and grading settlement in gas and sewer trenches:		
27 days, foreman, at \$3.00	\$8 31	
29 days labor, at \$1.75	50 75	
2 days double team, at \$5.00	10 00	
1½ days single team, at \$3.00	4 50	
Fence at park—stock and labor	5 00	
8 double loads gravel, at \$1.70	13 60	
	\$135 71	
Plus 15 per cent	20 36	
	156 07	
	\$15,851 74	
Credit by 10¼ days steam road roller, at \$15.00	153 75	
	\$15,697 99	
Less amount paid in 1895	2,927 74	
		12,770 25
Amount paid to Collins & Ham (parts of Sec- tions 3, 4 and 5):		
12,481.46 cubic yards earth excavation, at 99 cents	\$12,356 65	
54 cubic yards rock excavation, at 50 cents	27 00	
Removing trees, etc.	50 00	
		12,433 65
Amount paid to Collins & Ham (parts of Sec- tions 3, 4 and 5):		
23,867 cubic yards earth excavation, at 37½ cents	\$8,950 13	
<i>Carried forward</i>	\$8,950 13	\$91,794 92

<i>Brought forward</i>	\$8,950 13	\$91,794 92
27 cubic yards boulders broken and piled, at 37½ cents	10 13	
70 cubic yards extra haul, at 20 cents	14 00	
1,594 cubic yards loam rehailed, etc., at 44 cents	701 36	
Removing trees, etc.	100 00	
	\$9,775 62	
Less amount paid in 1895	2,709 38	
		7,066 24
Amount paid Collins & Ham (Sections 6 and 7 and parts of 5 and 8):		
9,870.6 cubic yards earth excavation, at 42 cents	\$4,145 65	
77 cubic yards stone broken and hauled, at 75 cents	57 75	
17,495.5 cubic yards rock excavation, at 90 cents	15,745 95	
Removing trees, etc.	75 00	
		20,024 35
Amount paid to J. D. Gennaro (Sections 9 and 10, and 8 and 11):		
22,605.37 cubic yards earth excavation, at 33 cents	\$7,572 80	
221.80 cubic yards rock excavation, at \$1.10	243 98	
Removing trees, etc.	25 00	
	\$7,841 78	
Less amount paid in 1895	939 68	
		6,902 10
Amount paid to H. P. Nawn (Sections 11, 12 and 13):		
31,879 cubic yards earth excavation, at 34 cents	\$10,838 86	
105.5 cubic yards rock excavation, at \$1.30	137 15	
Removing trees, etc.	50 00	
2 days labor, removing trees, at \$1.75; plus 15 per cent	4 03	
	\$11,030 04	
Less amount paid in 1895	1,097 35	
		9,932 69
Amount paid to Davern & Cronin (Sections 14 and 15):		
3,517 cubic yards earth excavation, at 44 cents	\$1,547 48	
<i>Carried forward</i>	\$1,547 48	\$135,720 30

<i>Brought forward</i>	\$1,547 48	\$135,720 30
9,322 cubic yards rock excavation, at \$1.00	9,322 00	
Removing trees, etc.	25 00	
236 cubic yards stone, broken and hauled, at 60 cents	141 60	
		11,036 08

Amount paid to D. E. Lynch (between Washington and Seaver streets):

2,661.7 cubic yards sub-grading, at 40 cents	\$1,064 68	
8,714.5 square yards Telford base hauled and placed, at 31 cents	2,701 50	
9,346.5 square yards macadam hauled and placed, at 15 cents	1,401 98	
1,928 square yards block gutters laid, at 65 cents	1,253 20	
2,492.6 feet edgestone set, at 29 cents	722 85	
2,576 square yards gravel sidewalks furnished and laid, at 30 cents	772 80	
34.8 square yards flagging crossings furnished and laid, at \$4.50	156 60	
20 cubic yards ledge excavation, at \$1.75	35 00	
25 covers reset, at \$3.00.	75 00	
32.8 square yards crossings (old, relaid), at \$1.50	49 20	
		8,232 81

Amount paid to Doherty & Connors (Lauriat avenue to Walk Hill street):

1,433 cubic yards sub-grading, at 27 cents	\$386 91	
10,564 square yards Telford base, hauled and placed, at 14 cents	1,478 96	
10,663 square yards macadam (unfinished), at 24 cents	2,559 12	
3,102 square yards block gutters, hauled and laid, at 55 cents	1,706 10	
3,123 square yards loam, hauled and placed, at 10 cents	312 30	
260 feet edgestone, hauled and set, at 25 cents	65 00	
3,420 square yards gravel sidewalks, furnished and laid, at 20 cents	684 00	
71.06 square yards flagging crossings, at \$4.35	309 11	
621 cubic yards gravel furnished, at 60 cents	372 60	

Carried forward . . . \$7,874 10 \$154,989 19

<i>Brought forward</i>	\$7,874 10	\$154,989 19
952 feet 6-inch drain furnished and laid, at 51 cents	485 52	
26 covers reset, at \$3.00	78 00	
	\$8,437 62	
Less 3,762 cubic yards filling taken to Lauriat avenue	1,279 08	
		7,158 54
Amount paid to H. P. Nawn (Canter- bury street to Lauriat avenue):		
1,219 cubic yards sub-grading, at 40 cents	\$487 60	
11,436.5 square yards Telford base, fur- nished and placed, at 40 cents	4,574 60	
600 square yards Telford base hauled and placed, at 15 cents	90 00	
11.689 square yards macadam hauled and placed, at 39½ cents	4,617 16	
3,719.7 square yards block gutters hauled and placed, at 61 cents	2,269 02	
3,826 square yards loam hauled and placed, at 9 cents	344 34	
2,388 feet edgestone hauled and set, at 20 cents	477 60	
94.3 square yards flagging crossings furnished and laid, at \$4.50	424 35	
50.5 cubic yards gravel, furnished, at \$1.00	50 50	
48 covers reset, at \$3.00	144 00	
		13,479 17
		\$175,626 90
Amount retained from Davern & Cro- nin	\$784 90	
Amount retained from D. E. Lynch	1,234 92	
Amount retained from Doherty & Con- ners	1,265 64	
Amount retained from H. P. Nawn	2,021 88	
		5,307 34
		\$170,319 56
Columbus avenue, constructing:		
Labor, including engineering and inspection	\$27,774 29	
Teaming	24,154 29	
134,344 gutter blocks	5,606 76	
7,916½ feet edgestone	4,908 08	
<i>Carried forward</i>	\$62,443 42	

<i>Brought forward</i>	\$62,443 42
967 feet circular edgestone	1,257 10
22 small corners	73 70
6 large corners	33 60
2,401 feet flagging	1,392 58
676,000 paving brick	6,471 37
Filling	14,973 00
Gravel	2,494 00
Sand	3,043 70
Stone	3,709 10
Steam roller	30 00
Lumber	125 45
Hardware, tools, etc.	111 50
Fuel	1 17
Printing	17 50
Advertising	223 70
Shanty and furnishing	88 55
Repairs at Police Station No. 10	345 67
Repairs at New England Hospital	364 07
Tearing down buildings	330 00
Engineer's expenses	523 69
Sundries	84 00

Amount paid to Turnbull & Ryan :

Furnishing materials and building bulkhead	727 00
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Amount paid to Neal & Preble :

Alterations on fence and moving flag-staff, as per estimate ; digging and filling in trench for water-pipe, and repairing paving in yard of George Putnam School

Putnam School	\$1,336 00
156 hours labor, at 32 cents	49 92
52 hours, mason, at 50 cents	26 00
350 paving brick	4 90
$\frac{1}{2}$ barrel cement	87
1 load sand	1 75

 1,419 44

Amount paid to Philip Doherty :

16,474 feet edgestone set	907 60
6,545 square yards brick paving laid	850 84
910 square yards flagging crossings	163 80
8 square yards gutters paved	2 00
76 days labor, at \$1.75	\$133 00
Plus 15 per cent	19 95

 152 95

 2,077 19

Amount paid to H. Gore & Co. :

2,875 asphalt blocks	\$316 25
4,528 square yards block paving laid	1,132 00
733.2 square yards brick paving laid	131 98

Carried forward \$1,580 23

 \$102,360 50

<i>Brought forward</i>	\$1,580 23	\$102,360 50
1,333 feet edgestone set	106 64	
209 square yards flagging crossings laid, ...	52 25	
		1,739 12

Amount paid to Joseph D. Gennaro :		
11,634 cubic yards earth excavation, at 32 cents	\$3,722 88	
2,540 cubic yards rock excavation, at \$1.29	3,276 60	
Removing trees, etc.	25 00	
		7,024 48

Amount paid to Neil McBride :		
10,986.7 cubic yards gravel filling, at 99 cents		10,876 83
Amount paid to Collins & Ham :		
5,400 cubic yards sub-grading, at 45 cents	\$2,430 00	
7,618 square yards Telford base hauled and placed, at 15 $\frac{1}{4}$ cents	1,161 75	
7,816 square yards macadam hauled and placed, at 5 $\frac{1}{2}$ cents	429 88	
1,330 square yards block gutters laid, at 30 cents	399 00	
3,555 feet edgestone set, at 14 cents	497 70	
3,526 square yards brick sidewalks laid, at 53 cents	1,868 78	
19 square yards gravel sidewalks furnished and laid, at 30 cents	5 70	
260.8 square yards flagging crossings, furnished and laid, at \$5.25	1,369 20	
2 $\frac{1}{2}$ cubic yards ledge excavation, at \$1.75, ...	4 08	
204 cubic yards gravel furnished, at 50 cents	102 00	
Removing trees, etc.	325 00	
16 covers reset, at \$3.00	48 00	
80 square yards gutters (old, relaid), at 30 cents	24 00	
		8,665 09

Amount paid to Barber Asphalt Paving Co. :		
20,433.6 square yards Trinidad lake asphalt pavement with concrete base and binder, at \$2.90	\$59,257 44	
866.6 cubic yards concrete base (extra depth), at \$5.00	4,333 00	
Extra work making extra excavations and truing sub-grade of roadways :		
80 hours, foreman, at 50 cents, \$40 00		

Carried forward \$40 00 \$63,590 44 \$130,666 02

Brought forward . . \$40 00 \$63,590 44 \$130,666 02
 1,205½ hours labor, at 20 cents, 241 10
 18 hours, water boy, at 10 cents, 1 80

\$282 90

Add 15 per cent . . . 42 44

325 34

63,915 78

Amount paid to Boston Asphalt Co. :

5,323 square yards Sicilian rock asphalt with American cement concrete base, at \$2.90 . . . 15,436 70

\$210,018 50

Amount retained from Collins & Ham . \$433 25

Amount retained from Barber Asphalt Paving Co. 3,388 26

Amount retained from Boston Asphalt Co. 771 84

4,593 35

\$205,425 15

Commonwealth avenue, construction.

Labor, including engineering and inspection . . \$5,815 47
 Teaming 1,937 50
 191,693 gutter blocks 7,571 88
 Gravel 52 70
 Advertising 138 83
 Fuel 8 08
 Printing 45 49
 Stone 5,251 92
 Steam roller 300 00
 Engineer's expense 128 56
 Sundries 11 20

Amount paid to H. P. Nawn :

198.2 cubic yards rock excavation, at \$1.75 . . 346 85

Amount paid to Neil McBride :

10,300 cubic yards earth excavation, at 33 cents \$3,399 00

6,365 cubic yards rock excavation, at \$1.29 8,210 85

Removing trees, etc. 50 00

896.3 tons stone, broken and hauled, at 65 cents 582 60

\$12,242 45

Less payments made in 1895 . . . 755 23

11,487 22

Carried forward \$33,095 70

<i>Brought forward</i>	\$33,095 70
Amount paid to John A. Whittemore's Sons:	
4,700 cubic yards sub-grading, at 25 cents	\$1,175 00
22,218 square yards Telford base placed, etc., at 15 cents	3,332 70
22,750 square yards macadam hauled and placed, at 15 cents	3,412 50
6,650 square yards block gutters hauled and laid, at 69 cents	4,588 50
13,208 square yards loam, hauled and placed, at 9 cents	1,188 72
7,250 square yards gravel sidewalks, furnished and laid, at 18 cents	1,305 00
340 cubic yards ledge excavation, at \$1.00	340 00
955 cubic yards loam hauled and stored at 20 cents	191 00
3,135 tons stone, broken and hauled to crusher, at 30 cents	940 50
	16,473 92
Amount paid to John A. Whittemore's Sons:	
621 cubic yards wall, at \$12.50	\$1,552 50
20 cubic yards ledge excavation, at \$1.00	20 00
279 cubic yards earth excavation, at 30 cents	83 70
	1,656 20
	\$51,225 82
Work done by the Bridge Division	874 00
	\$52,099 82
Amount retained from John A. Whittemore's Sons,	2,471 09
	\$49,628 73
Huntington avenue, construction.	
Labor, including engineering and inspection	\$44,703 75
Teaming	33,760 81
261,849 gutter blocks	10,590 90
20,674 $\frac{8}{12}$ feet edgestone	12,818 33
10,193 feet special edgestone	3,975 27
1,146 $\frac{5}{12}$ feet circular edgestone	1,490 38
106 $\frac{1}{2}$ feet special circular edgestone	283 11
27 small corners	92 95
41 large corners	228 60
<i>Carried forward</i>	\$107,944 10

<i>Brought forward</i>	\$107,944 10
239 feet flagging	139 40
914 crossing blocks	457 00
526,960 paving brick	5,104 60
Gravel	5,335 67
Filling	5,606 00
Loam and sods	294 54
Sand	3,730 00
Cement	33 00
Stone	32,104 85
Steam roller	880 00
Lumber	450 82
Fuel	14 66
Advertising	235 69
Shanty, and furnishing same	91 93
Printing	31 59
Hardware, tools, etc.	345 77
Engineer's expenses	250 65
Sundries	36 92

Amount paid to William Scollans:

9,746 cubic yards gravel filling, at 79 $\frac{1}{2}$ cents	\$7,772 44
Less amount paid in 1895	4,067 25
	3,705 19

Amount paid to Metropolitan Construction Co.:	
4,396 cubic yards filling, at 65 cents	2,857 40

Amount paid to Donovan & Brock:

Labor and stock, moving fence and wall at Martin School, and taking down, moving and erecting new frame and step block for flag-pole	2,102 63
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Amount paid to Jas. Grant & Co., paving at intersecting streets:

781.8 feet edgestone set	\$117 27
284.9 square yards block paving	99 72
1,376.5 square yards brick paving	316 60
342.2 square yards fence curb set	68 44
	602 03

Amount paid to Boston Asphalt Co.:

16,393.8 square yards Sicilian rock asphalt with American cement concrete base, at \$2 90	\$47,542 02
21.7 cubic yards ex-concrete base, at \$5.00	108 50
	47,650 52

Amount paid to Chas. E. Barnes:

2,100.9 feet edgestone set	\$205 27
670 square yards brick paving	120 60
945.6 square yards gutter paving	253 45
499.5 square yards crossings laid	124 87

Carried forward \$704 19 \$220,004 96

<i>Brought forward</i>	.	.	.	\$704 19	\$220,004 96
45 $\frac{4}{9}$ days, foreman	.	.	.\$272 66		
100 $\frac{7}{9}$ days, pavers	.	.	503 87		
45 $\frac{5}{9}$ days, helper	.	.	113 87		
285 $\frac{1}{9}$ days, labor	.	.	570 22		

\$1,460 62

Plus 15 per cent . . . 219 09

1,679 71

2,383. 90

Amount paid to J. B. O'Rourke :

162 square yards block paving	.	.	.\$32 40	
7,077 feet edgestone set	.	.	424 62	
4,281 square yards brick paving	.	.	599 34	
160 square yards flagging crossings	.	.	32 00	
1,219 square yards gutters paved	.	.	398 15	
3,106 feet edgestone set	.	.	419 07	
2,614 square yards brick paving	.	.	538 95	
70 square yards flagging crossings	.	.	17 50	
2,609 feet coping reset	.	.	521 80	
62 coal holes reset	.	.	186 00	

3,169 83

Amount paid to Doherty & Connors :

12,053 cubic yards sub-grading, at 39 cents	.	.	.\$4,700 67	
17,144 square yards Telford base hauled and placed, at 21 cents	.	.	3,600 24	
17,822 square yards macadam hauled and placed, at 25 cents	.	.	4,455 50	
3,235 square yards gutters laid, at 45 cents	.	.	1,455 75	
10,095 feet edgestone set, at 23 cents	.	.	2,321 85	
9,172 square yards brick sidewalks laid, at 44 cents	.	.	4,035 68	
393 square yards gravel sidewalks furnished and laid, at 25 cents	.	.	98 25	
385.6 square yards flagging crossings furnished and laid, at \$4.50	.	.	1,735 20	
7 cubic yards ledge excavation, at \$1.75	.	.	12 25	
Removing trees, stumps, etc.	.	.	255 00	
33 covers reset, at \$3.00	.	.	99 00	
158 square yards crossings (old, relaid), at \$1.50	.	.	237 00	
Extra work as ordered :				
19 double loads loam furnished and placed, at 87 cents	.	.	.\$16 53	

Carried forward . . . \$16 53 \$23,006 39 \$225,558 99

Brought forward . . . \$16 53 \$23,006 39 \$225,558 69
 45 days labor, culling bricks, at
 \$1.75 78 75

\$95 28

Plus 15 per cent 14 29

109 57

23,115 96

Amount paid to H. Gore & Co.:

7,758 cubic yards sub-grading, at 25
 cents 1,939 50

22,237 square yards Telford base hauled
 and placed, at $24\frac{1}{2}$ cents 5,448 07

22,641 square yards macadam hauled
 and placed, at $19\frac{1}{2}$ cents 4,415 00

4,182 square yards block gutters laid, at
 49 cents 2,049 18

8,706 feet edgestone set, at 17 cents 1,480 02

7,307 feet edgestone set, at 15 cents 1,096 05

833 square yards brick sidewalks laid,
 at 42 cents 349 86

9,159 square yards gravel sidewalks fur-
 nished and laid, at 30 cents 2,747 70

718 square yards flagging crossings fur-
 nished and laid, at \$4.50 3,231 00

21 cubic yards gravel furnished, at 75
 cents 15 75

Extra work rebuilding catch-basins
 and manholes:

$43\frac{5}{8}$ days, mason, at \$4.50 . . . \$197 25

$43\frac{5}{8}$ days, mason tender, at
 \$2.25 98 63

$21\frac{1}{9}$ days labor, at \$1.75 36 94

$33\frac{1}{2}$ barrels American cement,
 at \$1.10 36 85

9,255 bricks, at \$9.00 83 30

6 double loads sand, at \$1.75 10 50

Resetting and rejointing
 edgestone:

$22\frac{1}{3}$ days, stone cutter, at \$4.00 . . . 89 33

Resurfacing street, regrad-
 ing water-works trench,
 and extra excavations:

$4\frac{7}{9}$ days, foreman, at \$5.00 24 17

$37\frac{2}{9}$ days labor, at \$1.75 65 14

$4\frac{1}{9}$ days, double team, at \$5.00 . . . 20 55

Transplanting:

1 day, foreman 5 00

Carried forward . . . \$667 66 \$22,772 13 \$248,674 65

<i>Brought forward</i> . . .	\$667 66	\$22,772 13	\$248,674 65
5 days labor, at \$1.75 . . .	8 75		
$\frac{2}{9}$ day double team, at \$5.00 . . .	1 11		
2 double loads loam, at \$1.75 . . .	3 50		
Hauling crushed stone :			
64 $\frac{5}{9}$ days, double team, at \$5.00 . . .	320 28		
1 $\frac{2}{3}$ days, single team, at \$3.00 . . .	5 00		
Resetting edgestone, resur- facing sidewalks and loaming :			
5 $\frac{5}{9}$ days, foreman, at \$5.00 . . .	25 28		
26 $\frac{6}{9}$ days labor, at \$1.75 . . .	46 67		
$\frac{5}{9}$ day, double team, at \$5.00 . . .	2 78		
45 double loads loam, at \$1.75 . . .	78 75		
6 single loads loam, at 87 $\frac{1}{2}$ cents	5 25		
Taking down fence and cut- ting through fence at Chutes :			
$\frac{6.5}{9}$ days, foreman, at \$5.00 . . .	3 61		
9 $\frac{8.5}{9}$ days labor, at \$1.75 . . .	17 40		
Breaking Telford base, 38 days labor, at \$1.75 . . .	66 50		
Rolling at place where scales were located $\frac{8}{9}$ day, steam roller, at \$15.00	13 33		
	\$1,265 87		
Plus 15 per cent	189 88		
	1,455 75		
		\$24,227 88	
		\$272,902 53	
Work done by the Bridge Division		9,592 68	
		\$282,495 21	
Amount retained from Boston Asphalt Co.	\$2,382 53		
Amount retained from Doherty & Connors	1,155 80		
Amount retained from H. Gore & Co.	1,211 39		
	4,749 72		
		\$277,745 49	

*SUMMARY OF EXPENDITURES UNDER
SPECIAL APPROPRIATIONS.*

TOTAL AMOUNT EXPENDED.

Bennington and Walley streets	\$13,469 88
Centre street (Dorchester)	867 10
Columbus avenue	7,100 00
Commonwealth avenue	130,471 33
Congress and L streets	7,608 17
Eleanor and Ridgemont streets	110 85
Elmira street	1,696 30
Franklin street	99 48
Hanover street	5,049 44
Leicester street	2,488 40
McLellan street	4,056 84
Orleans street	3,146 73
Quincy street	8,419 18
Saratoga street	2,022 20
Sydney street	436 40
Talbot avenue	2,171 62
Tremont street	9,501 26
Wall street	5,580 26
Street Improvements, Old Wards.	
Street Improvements, Wards 1 and 2 :	
Bennington street	250 00
Bremen street	5,558 82
Saratoga street	27,854 80
Sumner street	370 13
Walley street	110 82
Bridges	417 66
Street Improvements, Ward 3 :	
Corey street	68 82
Decatur street	6,179 76
Prospect street	3,510 93
Tremont street	4,421 00
Sewers	615 24
Street Improvements, Ward 4 :	
Essex street	1,028 13
Medford street	1,715 38
Street Improvements, Ward 5 :	
Main street	23,877 14
Washington street	371 50
Street Improvements, Wards 9 and 10 :	
Chestnut street	7,509 05
Parkman street	592 95
<i>Carried forward</i>	\$288,747 57

<i>Brought forward</i>	\$288,747 57
Street Improvements, Ward 12 :	
Beach street	8,598 82
Chauncy street	10,777 38
Essex street	564 21
Harvard street	4,233 73
Pine street	3,377 36
Whitmore street	62 70
Street Improvements, Ward 13 :	
A street	293 25
C street	1,216 69
D street	6,708 60
Dorchester avenue	21,512 16
Dove street	2,581 14
Sewers	241 60
Street Improvements, Wards 14 and 15 :	
Bellflower street	5,032 01
East Eighth street	1,536 46
East Sixth street	9,085 12
K street	7,111 86
Rawson street	2,829 67
Swett street	9,178 89
Vale street	177 50
Sewers	5,310 32
Street Improvements, Ward 16 :	
Compton street	1,282 02
Street Improvements, Wards 17 and 18 :	
Albany street	2,498 48
East Lenox street	329 52
Fabin street	92 27
Fellows street	3,175 83
Flagg street	1,945 80
Harrison avenue	245 39
Pembroke street	693 24
West Canton street	131 00
Street Improvements, Wards 19 and 22 :	
Bay State road	241 55
Beacon street	6,946 08
Boylston street	86 80
Calumet street	360 00
Lawn street	325 60
Marlborough street	2,634 43
Parker street	55 80
Roxbury street	13,892 04
Westland avenue	1,367 77
Street Improvements, Ward 20 :	
Newcomb street	2,521 07
Quincy street	1,285 35
<i>Carried forward</i>	\$429,287 08

<i>Brought forward</i>	\$429,287 08
Shirley steet	3,236 00
Sewers	301 51
Street Improvements, Ward 24:	
Alban street	3,201 54
Bicknell street	212 20
Bradshaw street	1,974 08
Morton street	318 40
Sewers	1,824 38
Street Improvements, Ward 25:	
Washington street	13,544 70
Western avenue	984 63
Winship street	1,495 63
Bridges	455 74
Street Improvements, New Wards.	
Street Improvements, Ward 1:	
Blackinton and Leyden streets	941 73
Byron street	2,492 55
Chelsea street	143 52
Cowper street	73 18
Shelby street	33 38
Wordsworth street	559 95
Sewers	1,653 97
Street Improvements, Ward 2:	
Havre street	2,275 15
Haynes street	2,581 76
Marion and Bremen streets	1,906 36
Maverick street	414 10
Sumner street	10,451 73
Webster street	9,917 22
Bridges	300 00
Sewers	869 67
Street Improvements, Ward 3:	
Ferrin street	4,882 38
Sewer Division	556 29
Street Improvements, Ward 4:	
Alford street	3,445 08
Beach street	227 11
Walker street	3,936 36
Sewers	2,821 71
Street Improvements, Ward 5:	
City square	227 54
Park street	595 80
Stacey street	1,769 57
Union street	544 21
Warren avenue	1,045 30
Warren street	483 74
Sewers	678 53
<i>Carried forward</i>	\$512,663 78

<i>Brought forward</i>	\$512,663 78
Street Improvements, Ward 6:	
Batterymarch street	1,878 61
City Hall avenue	1,206 47
Devonshire street	6,107 21
Garden Court street	1,700 63
North street and North square	3,613 18
North Margin street	173 51
North Market street	509 65
Prince street	1,360 88
Stillman street	2,481 57
Tileston street	19 54
Water street	3,661 37
Sewers	289 47
Street Improvements, Ward 7:	
Corning street	1,305 27
Edinboro' street	136 17
Milk street	9,602 67
Ohio street	1,314 32
West street	147 26
Winter street	6,995 90
Sewers	879 77
Street Improvements, Ward 8:	
Ashland street	2,231 01
Barton street	96 41
Cotting street	2,192 49
Lowell street	18,474 32
Milton street	324 30
Sewers	382 05
Street Improvements, Ward 9:	
Acton street	797 52
East Dedham street	4,030 13
Hamburg street	2,692 57
Laconia street	4,919 69
Meander street	2,057 83
Mystic street	4,308 34
Norwich street	1,775 07
Taylor street	750 33
Union Park street	1,492 48
Sewers	912 21
Street Improvements, Ward 10:	
Boylston and Exeter streets	11,932 05
Columbus avenue	719 00
Dartmouth street	613 06
Holyoke street	1,682 89
St. Botolph street	16,326 60
Yarmouth street	935 45
Sewers	1,024 82
<i>Carried forward</i>	\$636,767 85

<i>Brought forward</i>	\$636,767 85
Street Improvements, Ward 11 :	
Arlington street	10,512 92
Berkeley street	4,061 18
Brimmer street	490 80
Brookline avenue	440 86
Charles street	25 49
Mt. Vernon street	1,512 20
Pinckney street	106 50
Sewers	752 37
Street Improvements, Ward 12 :	
East Brookline street	3,582 94
Massachusetts avenue	1,047 24
Reed street	2,417 85
West Brookline street	7,566 23
Sewer Division	408 90
Street Improvements, Ward 13 :	
Athens street	121 27
Bridges	3,582 15
Street Improvements, Ward 14 :	
L street	6,605 46
Sewers	797 14
Street Improvements, Ward 15 :	
East Fifth street	886 88
East Fourth street	759 32
G street	1,750 94
Old Harbor street	1,418 51
Telegraph street	3,258 24
Thomas Park	861 55
Street Improvements, Ward 16 :	
East Cottage street	5,489 00
Dean street	2,972 13
Fairbury street	555 64
Leyland street	2,276 73
Monadnock street	488 14
Sewers	1,716 59
Street Improvements, Ward 17 :	
Eustis street	9,636 45
Island street	2,216 13
Magazine street	2,181 93
Marshfield street	1,009 71
Massachusetts avenue	9,456 77
Pontine street	323 87
Sewers	1,609 32
Street Improvements, Ward 18 :	
Linden Park street	4,347 41
Tremont street	488 65
Washington street	4,857 21
Sewers	920 49
<i>Carried forward</i>	\$740,280 96

<i>Brought forward</i>	\$740,280 96
Street Improvements, Ward 19 :	
Smith street	7,812 62
Wait street	109 00
Sewers	1,500 20
Street Improvements, Ward 20 :	
Blue Hill avenue	1,302 13
Charles street	2,986 68
Faulkner street	1,015 42
Freeport street	4,207 46
Geneva avenue	3,962 57
Hartland street	794 34
Mayfield street	1,147 11
Romsey street	2,698 15
Sagamore street	550 48
Salcombe street	2,284 35
School street	382 52
Washington street	7,123 74
Bridges	43 72
Sewers	1,202 14
Street Improvements, Ward 21 :	
Crawford street	6,641 73
Holborn street	982 30
Howland street	4,007 56
Maywood street	318 73
Ruthven street	2,104 89
Sherman street	1,809 30
Walnut avenue	4,011 49
Sewers	1,262 36
Street Improvements, Ward 22 :	
Bickford street	600 84
Boylston street	1,214 95
Bromley park	149 25
Bromley street	194 50
Burroughs street	88 75
Creighton street	4,770 38
Green street	142 50
Lamartine street	3,931 54
Sewers	811 96
Street Improvements, Ward 23 :	
Ashfield street	513 00
Baker street	1,764 11
Canterbury street	8,253 25
Centre street	10,543 57
Conway street	424 75
Corey street	1,807 84
Fairview street	556 45
Hastings street	3,406 67
<i>Carried forward</i>	\$839,716 26

<i>Brought forward</i>	\$839,716 26
Hewlett street	2,107 66
Hyde Park avenue	1,413 84
Morton street	10,021 21
New Keyes street	1,850 50
Ruskin street	650 20
Sycamore street	378 90
Temple street	1,450 94
Vermont avenue	971 48
Walk Hill street	1,615 40
Washington street	12,328 01
Weld street	3,894 47
Sewers	2,341 56
Street Improvements, Ward 24 :	
Adams street	362 04
Ashmont street	615 07
Norfolk street	8,183 28
Oakland street	3,453 22
Sewers	7,904 94
Street Improvements, Ward 25 :	
Bigelow street	10,791 99
Linden street	408 06
Market street	1,169 27
Reedsdale street	456 55
Rockland street	800 45
Tremont street	158 55
Sewers	500 00
	\$913,543 85
Less amount paid out of appropriation for Paving Division	36,447 95
	<u>\$877,095 90</u>

*SUMMARY OF EXPENDITURES FOR BLUE
HILL AND OTHER AVENUES.*

Blue Hill avenue	\$170,319 56
Columbus avenue	205,425 15
Commonwealth avenue	49,628 73
Huntington avenue	277,745 49
	<u>\$703,118 93</u>

*SUMMARY OF EXPENDITURES—LAYING OUT
AND CONSTRUCTION OF HIGHWAYS.*

TOTAL AMOUNT EXPENDED.

Abbottsford street	\$4,777 42
Audubon road	9,299 55
Bay State road	7,722 79
Boylston street	11,516 65
Brighton avenue	51,243 19
Clinton street	6,942 71
Fenelon street	1,915 66
Geneva avenue	17,249 19
Granby street	4,737 01
Greenbrier street	5,317 10
Harvard avenue	2,498 39
Harvard street	1,224 39
Ivy street	366 12
Josephine street	3,210 79
Kenmore street	48 71
Lauriat avenue	16,577 13
Morse street	2,086 09
Newbury street	66 70
Norway street	152 86
Norway street	1,308 01
Parker street	1,192 51
Peterborough street	5,869 98
Ruggles street	5,017 34
St. Alphonsus street	7,276 14
St. Germain street	251 92
Sherborn street	210 71
Turner street	1,834 49
Vancouver street	1,643 12
Wilder street	3,405 21
	\$174,961 88

*LAYING OUT AND CONSTRUCTION OF HIGH-
WAYS.*

Abbottsford street, between Walnut avenue and Harold street.	
Labor	\$428 34
1,184 $\frac{9}{12}$ feet edgestone	734 54
38 $\frac{1}{2}$ feet circular edgestone	49 49
2 small corners	6 70
11,600 large gutter blocks	458 20
Stone	1,144 61
<i>Carried forward</i>	\$2,821 88

<i>Brought forward</i>	\$2,821 88
Steam roller	123 50
Catch-basin stone	16 00
Advertising	45 21

Amount paid to Quimby & Ferguson:	
997 cubic yards sub-grading, at 38 cents	\$378 86
1,357 square yards macadam hauled and placed, at 26 cents	352 82
427 square yards granite block gutters hauled and laid, at 83 cents	354 41
1,233 feet edgestone hauled and set, at 24 cents	295 92
818 square yards gravel sidewalks furnished and laid, at 26 cents	212 68
27.3 square yards flagging crossings furnished and laid, at \$4.25	116 03
121.4 cubic yards ledge excavation, at \$2.00	242 80
4 covers reset, at \$3.00	12 00

Extra work lowering catch-basins:	
22 hours, mason, at 42 cents	\$9 24
22 hours, tender, at 20 cents	4 40
1 hour, stonecutter	50
2 barrels cement, at \$1.50	3 00
2 single loads sand, at \$1.00	2 00

\$19 14

Plus 15 per cent 2 87

22 01

\$1,987 53

Credited by 9½ days steam roller, at \$13 123 50

1,864 03

\$4,870 62

Amount retained from Quimby & Ferguson 93 20

\$4,777 42

Audubon road, Beacon street across Ivy street.

Labor	\$422 15
Stone	1,878 80
Advertising	136 75
13,000 gutter blocks	513 50
421½ feet straight edgestone	261 28
412½ feet circular edgestone	536 47
Sundries	27 46

Carried forward \$3,776 41

<i>Brought forward</i>		\$3,776 41
Amount paid to William Scollans :		
568 cubic yards sub-grading, at 25 cents,	\$142 00	
2,669 square yards Telford base hauled and placed, at 37 cents	987 53	
3,330 square yards macadam hauled and placed, at 31 cents	1,032 30	
438 square yards block gutters hauled and laid, at 85 cents	372 30	
385 square yards loam furnished and placed, at 40 cents	154 00	
877 feet edgestone hauled and set, at 30 cents	263 10	
953 square yards brick paving furnished and laid, at 95 cents	905 35	
1,493 square yards flagging crossings furnished and laid, at \$4.25	634 53	
1,539 cubic yards gravel furnished, at 75 cents	1,154 25	
7 covers reset, at \$3.00	21 00	
2.4 square yards brick sidewalks (old, relaid), at 55 cents	1 32	
Extra work as ordered :		
7 days, stonecutter, at \$3.50	\$24 50	
78 days labor, at \$1.75	136 50	
	\$161 00	
Plus 15 per cent	24 15	
	185 15	
	\$5,852 83	
Credit by 3 days steam road roller, at \$13.00	39 00	
	5,813 83	
	\$9,590 24	
Less amount retained from William Scollans	290 69	
	\$9,299 55	
Bay State road, between Sherborn and Granby streets:		
Labor	\$437 38	
Stone	2,590 35	
Advertising	43 50	
1,499 $\frac{8}{12}$ feet edgestone	929 80	
621 $\frac{9}{12}$ feet circular edgestone	81 68	
Sundries	8 51	
<i>Carried forward</i>	\$4,091 22	

<i>Brought forward</i>		\$4,091 22
Amount paid to Quimby & Ferguson:		
192.5 cubic yards sub-grading, at 38 cents	\$73 15	
2,586 square yards macadam hauled and placed, at 27 cents	698 22	
517 square yards granite block gutters furnished and laid, at \$2.10	1,085 70	
1,582 feet edgestone hauled and set, at 22 cents	348 04	
1,898 square yards gravel sidewalks furnished and laid, at 27 cents	512 46	
1,502 cubic yards gravel furnished, at 78 cents	1,171 56	
11 covers reset, at \$3.00	33 00	
11 square yards gutters (old, relaid), at 60 cents	6 60	
Extra work repaving gutters and brick sidewalks:		
19 hours, paver, at 40 cents	\$7 60	
19 hours, tender, at 20 cents	3 80	
9 hours labor, at 17 cents	1 53	
3 double loads sand, at \$1.57, ...	4 71	
	\$17 64	
Plus 15 per cent	2 65	
	20 29	
	\$3,949 02	
Credit by 20 days (clause M. of contract), at \$10.00	200 00	
	3,749 02	
	\$7,840 24	
Less amount retained from Quimby & Ferguson,	117 45	
	\$7,722 79	

Boylston street, between Boylston road and Brookline avenue:

Labor	\$1,511 95
Advertising	86 98
42,650 gutter blocks	1,684 68
4,342 $\frac{9}{12}$ feet edgestone	2,737 53
214 $\frac{11}{12}$ feet circular edgestone	279 39
Teaming	955 32
Fuel	2 33
<i>Carried forward</i>	\$7,258 18

<i>Brought forward</i>		\$7,258 18
Amount paid to Neil McBride:		
2,187 cubic yards sub-grading, at 20 cents	\$437 40	
9,630 square yards macadam hauled and placed, at 14 cents	1,348 20	
1,246 square yards block gutters laid, at 20 cents	249 20	
4,157 feet edgestone hauled and set, at 20 cents	831 40	
67 square yards flagging crossings furnished and laid, at \$5.00	335 00	
1,967 cubic yards gravel furnished, at 80 cents	1,573 60	
Hauling crushed stone as per agreement:		
434 double loads crushed stone, at 25 cents	108 50	
190 double loads crushed stone, at 66 $\frac{2}{3}$ cents	126 67	
		5,009 97
		\$12,268 15
Less amount retained from Neil McBride		751 50
		\$11,516 65

Brighton avenue, Commonwealth avenue to Cambridge street.

Labor	\$2,391 71
5,747 $\frac{9}{12}$ feet edgestone	3,563 60
496 feet circular edgestone	644 87
18 large and 6 small corners	120 90
Stone	12,447 78
Concrete sidewalks	110 00
Lumber	114 25

Amount paid to Doherty & Connors (section between Commonwealth avenue and Harvard avenue):

9,241 cubic yards sub-grading, at 31 cents	\$2,864 71
9,643 square yards Telford base hauled and placed, at 39 cents	3,760 77
9,643 square yards macadam hauled and placed, at 33 cents	3,182 19
3,028.4 square yards block gutters furnished and laid, at \$2.00	6,056 80
4,043 feet edgestone hauled and set, at 31 cents	1,253 23

<i>Carried forward</i>	\$17,117 80	\$19,393 11
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<i>Brought forward</i>	\$17,117 80	\$19,393 11
3,706 square yards gravel sidewalks furnished and laid, at 31 cents	1,148 86	
124.7 square yards flagging crossings furnished and laid, at \$4.50	561 15	
Removing trees, etc.	450 00	
36 covers reset, at \$3.00	108 00	
37 square yards block gutters (old, re- laid), at 50 cents	18 50	
70 square yards crosswalks (old, relaid), at \$1.00	70 00	
Extra work as ordered:		
26 $\frac{3}{4}$ days labor, at \$1.75	\$46 67	
7 days, double team, at \$5.00	35 00	
1 $\frac{1}{2}$ days, steam roller, at \$15.00	23 33	
	\$105 00	
Plus 15 per cent	15 75	
	120 75	
Removing house	100 00	
652 tons crushed stone hauled, at 10 cents	65 20	
	\$19,760 26	
Less amount paid in 1895	1,557 71	
		18,202 55
Amount paid to Doherty & Connors (section between Harvard avenue and Cambridge street):		
6,534 cubic yards sub grading, at 35 cents	\$2,286 90	
8,526 square yards Telford base, at 41 cents	3,495 66	
8,526 square yards macadam, at 35 cents	2,984 10	
2,158 square yards block gutters, at \$2.05	4,423 90	
2,999 feet edgestone set, at 33 cents	989 67	
2,688 square yards gravel sidewalks, at 35 cents	940 80	
136.5 square yards flagging crossings, at \$4.65	634 73	
Removing trees, etc.	150 00	
25 covers reset, at \$3.00	75 00	
88 square yards gutters (old, relaid), at 55 cents	48 40	
99 square yards flagging crossings, at \$1.15	113 85	
<i>Carried forward</i>	\$16,143 01	\$37,595 66

<i>Brought forward</i> . . .	\$16,143 01	\$37,595 66
Extra work as ordered:		
21 days labor, at \$1.75 . . .	\$36 75	
13 days, double team, at \$5.00, . . .	65 00	
2 $\frac{7}{8}$ days, steam roller, at \$15.00	41 67	
	<u>\$143 42</u>	
Plus 15 per cent	21 51	
		164 93
557 tons crushed stone hauled, at 10 cents		55 70
		<u>\$16,363 64</u>
Less amount paid in 1895	909 92	
		<u>15,453 72</u>
		\$53,049 38
Amount retained on Section 1	\$988 01	
Amount retained on Section 2	818 18	
		<u>1,806 19</u>
		<u>\$51,243 19</u>

Clinton street.

Labor		\$1,839 40
Tearing down buildings		643 05
53 $\frac{8}{12}$ feet circular edgestone		69 77
Advertising		27 60
Teaming		1,607 50
Masonry		42 00
Gravel and sand		439 98
Lumber		39 54
23,175 large paving blocks		1,117 96
428 feet flagging		248 24
18,000 paving bricks		171 00
Amount paid to Dennis J. Kiley & Co.:		
482 feet edgestone set, at 8 cents	\$38 56	
999 square yards block paving (new), at 25 cents	249 75	
859 square yards block paving (old), at 25 cents	214 75	
98 square yards granite flagging laid, at 25 cents	24 50	
422 square yards brick paving, at 18 cents	75 96	
Extra labor, night and Sunday work	\$81 00	
Add 15 per cent	12 15	
	<u>93 15</u>	
		696 67
		<u>\$6,942 71</u>

Fenelon street, between Washington and Merrill streets.

Labor	\$259 45
Teaming	5 92
Advertising	98 15
640 feet edgestone	396 80
36 feet circular edgestone	46 80
5,150 gutter blocks	203 43
Stone	287 27

Amount paid to D. E. Lynch:

224.6 cubic yards sub-grading, at 28 cents	\$62 89	
650 square yards macadam hauled and placed, at 12 cents	78 00	
246.5 square yards block gutters hauled and laid, at 65 cents	160 23	
668 feet edgestone hauled and set, at 23 cents	153 64	
428 square yards gravel sidewalks furnished and laid, at 22 cents	94 16	
20.2 square yards flagging crossings, at \$4.50	90 90	
$\frac{1}{2}$ cubic yard ledge excavation, at \$1.75	88	
1 cover reset	3 00	
6.7 square yards gutters (old, relaid), at 65 cents	4 36	
2.3 square yards crossings laid, at \$1.00	2 30	
		650 36

\$1,948 18

Less amount retained from D. E. Lynch 32 52

\$1,915 66**Geneva avenue**, between Westville street and Dorchester avenue.

Labor	\$1,319 20
Advertising	55 88
Fuel	1 17
3,850 gutter blocks	152 08
679.7 feet edgestone	421 41

Amount paid to Finneran and O'Hearn:

800 cubic yards sub-grading, at 32 cents, ...	\$256 00
1,975 square yards macadam hauled and placed, at 15 cents	296 25
445 square yards block gutters laid, at 27 cents	120 15
1,125 feet edgestone hauled and set, at 16 cents	180 00

<i>Carried forward</i>	\$852 40	\$1,949 74
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<i>Brought forward</i>	\$852 40	\$1,949 74
547 square yards gravel sidewalks, at 22 cents	120 34	
120 square yards flagging crossings, at \$4.30	516 00	
5 cubic yards ledge excavation, at \$1.75	8 75	
	—	1,497 49
		\$3,447 23
Less amount retained from Finneran & O'Hearn,		224 62
		\$3,222 61
Work done by the Bridge Division		14,026 58
		<u>\$17,249 19</u>

Granby street, between Commonwealth avenue and Charles river.

Labor	\$322 02
Teaming	30 50
716 $1\frac{3}{4}$ feet edgestone	444 07
Stone	1,376 10
Cap-stone wall	320 00
Iron fence on sea wall	110 00
Advertising	41 26

Amount paid to Quimby & Ferguson:

373 cubic yards sub-grading, at 38 cents,	\$141 74
1,718 square yards macadam hauled and placed, at 27 cents	463 86
358 square yards block gutters fur- nished and laid, at \$2.10	751 80
855 feet edgestone hauled and set, at 22 cents	188 10
680 square yards gravel sidewalks fur- nished and laid, at 27 cents	183 60
102.6 square yards flagging crossings furnished and laid, at \$4.10	420 66
110 cubic yards gravel, at 78 cents	85 80
4 covers reset, at \$3.00	12 00
14 square yards gutters (old, relaid), at 60 cents	8 40
	\$2,255 96

Credit by 659.25 feet edgestone, hauled by city	52 74

	2,203 22
	\$4,847 17
Less amount retained from Quimby & Ferguson	110 16
	<u>\$4,737 01</u>

Greenbrier street, between Bowdoin and Bloomfield streets.

Labor	\$451 15
Stone	1,217 79
Advertising	47 25
1,304 $\frac{9}{12}$ feet edgestone	808 94
103 $\frac{8}{12}$ feet circular edgestone	134 77

Amount paid to Quimby & Ferguson:

1,317 cubic yards sub-grading, at 32 cents	\$421 44
1,546 square yards macadam hauled and placed, at 22 cents	340 12
524.7 square yards block gutters furnished and laid, at \$2.15	1,128 11
1,579 feet edgestone hauled and set, at 24 cents	378 96
970 square yards gravel sidewalks, at 22 cents	213 40
45.2 square yards flagging crossings furnished and laid, at \$4.25	192 10
Removing trees, etc.	25 00
11 covers reset, at \$3.00	33 00
35 square yards gutters (old, relaid), at 65 cents	22 75

Extra work, puddling and filling trench, cutting edgestone and rebuilding sewer manhole:

12 hours, stonecutter, at 50 cents	\$6 00
1 day, mason	4 20
20 hours labor, at 20 cents	4 00
6 hours, single team, at \$3.00, ...	2 00
6 hours, 2-horse roller, at \$5.00	3 33
2 barrels cement, at \$1.50	3 00
Sand	1 10

\$23 63

Add 15 per cent 3 54

27 17

Pulling down shed 15 00

2,797 05

\$5,456 95

Less amount retained from Quimby & Ferguson 139 85

\$5,317 10

Harvard Avenue, Commonwealth avenue to Brookline line.

Teaming	\$45 00
Stone	2,287 74
Amount retained from William Scollans for work done under contract in 1895	165 65
	<u>\$2,498 39</u>

Harvard street, west of Blue Hill avenue.

Labor	\$129 25
Advertising	25 13
Amount paid to James McDonald :	
1,337.36 cubic yards excavation, at 83 cents	1,110 01
	\$1,264 39
Amount retained from James McDonald	40 00
	<u>\$1,224 39</u>

Ivy street, St. Mary's street to Mountfort street.

Amount retained from James Grant & Co., for work done under contract in 1895	<u>\$366 12</u>
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Josephine street, between Geneva avenue and Ditson streets.

Labor	\$384 70
Stone	506 96
98 $\frac{1}{2}$ feet circular edgestone	128 28
Artificial stone sidewalk	445 57
Advertising	51 05
Amount paid to J. J. Nawn :	
97 cubic yards sub-grading, at 22 cents	\$21 34
1,374 square yards macadam, hauled and placed, at 17 cents	233 58
460 square yards granite block gutters, furnished and laid, at \$1.95	897 00
145.5 feet edgestone, hauled and set, at 20 cents	29 10
156.8 square yards gravel sidewalks, furnished and laid, at 30 cents	47 04
37.1 square yards flagging crossings furnished and laid, at \$4.30	159 53
539 cubic yards gravel, at 90 cents	485 10
4 covers reset, at \$3.00	12 00
Extra work furnishing lumber and banking sidewalks :	
100 feet B. & M. lumber, at \$17.00	\$1 70

<i>Carried forward</i>	\$1 70	\$1,884 64	<u>\$1,516 56</u>
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<i>Brought forward</i>	\$1 70	\$1,884 69	\$1,516 56
1 day labor	1 75		
	\$3 45		
Plus 15 per cent	52		
		\$3 97	
			1,888 66
			\$3,405 22
Less amount retained from J. J. Nawn			194 43
			\$3,210 79

Kenmore street, between Commonwealth avenue and Newbury street.

Amount retained from Doherty & Connors, for work done under contract in 1895 \$48 71

Lauriat avenue, Blue Hill avenue to Tucker street.

Labor	\$989 00
5,279 $\frac{6}{12}$ feet edgestone	3,273 33
488 $\frac{6}{12}$ feet circular edgestone	635 11
16 small and 2 large corners	64 80
64,250 gutter blocks	2,537 87
Stone	3,063 49
Filling	1,279 08
Advertising	87 74

Amount paid to Doherty & Connors:

2,300 cubic yards sub-grad- ing, at 29 cents	\$667 00
6,000 square yards macadam, hauled and placed, at 20 cents	1,200 00
1,460 square yards block gutters hauled and laid, at 54 cents	788 40
4,800 feet edgestone hauled and set, at 25 cents	1,200 00
3,100 square yards gravel sidewalks fur- nished and laid, at 20 cents	620 00
169 square yards flagging crossings, furnished and laid, at \$4.50	760 50
95 cubic yards ledge excavation, at \$1.75	166 25
37 cubic yards gravel furnished, at 61 cents	22 57
14 covers reset, at \$3.00	42 00
	5,466 72

Less amount retained from Doherty & Connors \$17,397 14

820 01

\$16,577 13

Morse street, between Washington street and Bowdoin avenue.

Labor	\$272 45
Teaming	10 75
Stone	394 22
645 feet edgestone	399 90
46 $\frac{1}{2}$ feet circular edgestone	59 96
7,250 gutter blocks	286 37
Advertising	49 95
Printing	3 00

Amount paid to D. E. Lynch:

305 cubic yards sub-grading, at 28 cents,	\$85 40
733 square yards macadam hauled and placed, at 14 cents	102 62
238 square yards block gutters hauled and laid, at 65 cents	154 70
700 feet edgestone hauled and set, at 12 cents	84 00
400 square yards gravel sidewalks furnished and laid, at 22 cents	88 00
22.2 square yards flagging crossings furnished and laid, at \$4.50	99 90
4 covers reset, at \$3.00	12 00
23 square yards gutters (old, relaid), at 65 cents	14 95
	641 57

\$2,118 17

Amount retained from D. E. Lynch 32 08

\$2,086 09

Newbury street, Charlesgate west to Brookline avenue.

Amount retained from F. H. Cowin for work done under contract in 1894 \$66 70

Norway street, Falmouth street to Massachusetts avenue.

Amount retained from Quimby & Ferguson for work done under contract in 1894 \$152 86

Norway street, Massachusetts avenue to Parker street.

Labor	\$33 75
Filling	1,274 26

\$1,308 01

Parker street, Huntington avenue to Westland avenue.

Amount retained from Doherty & O'Leary for work done under contract in 1895	\$1,192 51
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Peterborough street, Audubon road to Fairhaven street.

Labor	\$652 25
Printing	59 55
Sundries	8 20
Amount paid to Boston and Albany R.R. Co.:	
11,880 cubic yards filling, at 51 cents	6,058 80
	\$6,778 80
Amount retained from Boston & Albany R.R. Co.,	908 82
	\$5,869 98

Ruggles street, Parker street to Back Bay Fens.

Labor	\$57 74
Printing	87 20
7,496 cubic yards filling, at 65 cents	4,872 40
	\$5,017 34

St. Alphonsus street, Tremont street to Calumet street.

Labor	\$753 17
Stone	1,468 74
15,615 gutter blocks	616 79
1,379 $\frac{8}{12}$ feet straight edgestone	855 39
70 $\frac{4}{12}$ feet circular edgestone	91 43
1 large corner	5 60
Repairing fence	20 83
Advertising	36 00

Amount paid to Quimby & Ferguson:

847 cubic yards sub-grading, at 38 cents,	\$321 86
2,297 square yards macadam hauled and placed, at 27 cents, ...	620 19
576 square yards block gutters hauled and laid, at 82 cents	472 32
1,525 feet edgestone hauled and set, at 24 cents	366 00
1,152 square yards gravel sidewalks furnished and laid, at 22 cents	253 44
22.3 square yards flagging crossings furnished and laid, at \$4.25	94 78
<i>Carried forward</i>	\$2,128 59
	\$3,847 95

<i>Brought forward</i>	\$2,128 59	\$3,847 95
232 cubic yards ledge excavation, at \$1.80	417 60	
8 covers reset, at \$3.00	24 00	
Retaining walls, fences, etc.	787 00	
24 square yards flagging (old, relaid), at \$1.25	30 00	

Extra work as ordered :

187.4 feet capstone for wall, at 75 cents	\$140 55	
47 square yards brick side- walks, at 50 cents	23 50	
19 double loads binding gravel, at \$1.50	28 50	
	\$192 55	
Plus 15 per cent	28 88	
	221 43	
		\$3,608 62

		\$7,456 57
Less amount retained from Quimby & Ferguson,		180 43
		\$7,276 14

St. Germain street , Massachusetts avenue to Dalton street.	
Amount retained from Quimby & Ferguson for work done under contract in 1895	\$251 95

Sherborn street , Commonwealth avenue to Dalton street.	
Amount retained from Doherty & Connors for work done under contract in 1895	\$210 71

Turner street.

Labor	\$548 49
Teaming	96 00
2,380 cubic yards filling	1,190 00
	\$1,834 49

Vancouver street, Huntington avenue to Ruggles street.

Labor	\$40 13
Filling	1,602 99
	\$1,643 12

Wilder street, Washington street to Geneva avenue.

Labor	\$671 14
Teaming	8 28
Stone	627 86
11,175 gutter blocks	441 41
844 feet edgestone	523 28
17 $\frac{3}{4}$ feet circular edgestone	22 32
Advertising	48 75

Amount paid to Finneran & O'Hearn:

1,201 cubic yards sub-grading, at 23 cents	\$276 23
1,235 square yards macadam hauled and placed, at 15 cents	185 25
375 square yards block gutters hauled and placed, at 60 cents	225 00
874 feet edgestone hauled and set, at 20 cents	174 80
22.7 square yards flagging crossings furnished and laid, at \$5.00	113 50
1.7 cubic yards ledge excavation, at \$1.75	2 98
6 covers reset, at \$3.00	18 00

Extra work rebuilding catch-basin:

3 days mason work, at \$4.50	\$13 50
1 barrel cement	1 00
1 barrel sand	50
100 paving bricks	1 25
Carting	50
142 feet edgestone reset	17 04
97 square yards gutters re-paved	33 95
11 square yards brick side-walks	1 76
68 $\frac{1}{2}$ tons screenings hauled, ...	23 98
1 day, double team	5 00
4 $\frac{1}{2}$ days labor resurfacing sidewalks	7 88

\$106 36

Plus 15 per cent 15 95

122 31

1,118 07

\$3,461 11

Less amount retained from Finneran & O'Hearn .

55 90

\$3,405 21

NEW EDGESTONE.

The following tables show the amount of new edgestone set during the year:—

CITY PROPER.

*Wards 6, 7, 8, 9, 10, 11, 12, 17 and 18, in whole or in part.
(Paving Districts Nos. 8 and 10.)*

	Lin. ft.
East Lenox street	323
Fellows street	88
Flagg street	106
Laconia street	381
Massachusetts avenue	760
Sundry streets in small quantities	39
	1,697

ROXBURY.

*Wards 16, 17, 18, 19, 21 and 22, in whole or in part.
(Paving District No. 7.)*

	Lin. ft.
Abbotsford street	1,233
Alleghany street	55
Atherton street	51
Batchelder street	60
Bickford street	328
Cobden street	95
Centre street	305
Columbus avenue	8,983
Crawford street	149
Creighton street	256
Dean street	1,037
Dennis street	84
Dudley street	140
Egleston street	87
Elmore street	203
Fairland street	116
Fellows street	57
Fenno street	159
George street	111
Georgia street	394
Glenwood street	108
Harold street	67
Heath street	110
Holborn street	50
Howland street	312
Hunneman street	143
<i>Carried forward</i>	14,693

<i>Brought forward</i>	14,693
Hutchings street	137
Kensington street	71
Langdon street	154
Logan street	64
Marcella street	52
Marshfield street	328
Newcomb street	60
Northampton street	77
Parker street	124
Paul Gore street	176
Pontine street	60
Reed street	120
Ruthven street	100
St. Alphonsus street	1,454
Savin street	213
Southwood street	527
Thornton street	80
Townsend street	246
Walnut avenue	129
Williams street	61
Winthrop street	214
Whiting street	499
Sundry streets in small quantities	472
	20,111

SOUTH BOSTON.

Wards 13, 14, 15 and 16, in whole or in part. (Paving District No. 1.)

	Lin. ft.
Bellflower street	1,311
Buttonwood street	63
D street	359
East Fifth street	175
East Second street	50
East Seventh street	188
East Sixth street	255
East Third street	83
K street	50
L street	250
Lark street	50
N street	61
Rawson street	890
Sundry streets in small quantities	70
	3,855

EAST BOSTON.

Wards 1 and 2. (Paving District No. 2.)

	Lin. ft.
Blackinton street	130
Falcon street	142
Leyden street	246
London street	74
Morris street	75
Paris street	99
Sundry streets in small quantities	41
	807

DORCHESTER.

Wards 16, 20 and 24, in whole or in part. (Paving District No. 6.)

	Lin. ft.
Adams street	124
Algonquin street	194
Allston street	100
Armandine street	564
Barrington street	120
Bellevue street	277
Bird street	65
Blue Hill avenue	3,787
Bowdoin street	197
Brookford street	72
Centre street	50
Danube street	201
Dewey street	651
Dorchester avenue	233
Draper court	105
Edwin street	163
Eldon street	80
Erie street	252
Fenelon street	668
Geneva avenue	882
Greenbrier street	1,579
Hartland street	190
Howard avenue	197
Ingleside street	208
Josephine street	100
Lauriat avenue	4,800
Morse street	693
Park street	402
Robinson street	104
Richmond street	200
<i>Carried forward</i>	17,258

	Lin. ft.
<i>Brought forward</i>	17,258
Rosedale street	52
Roslin street	272
Sagamore street	53
Salcombe street	1,417
Sydney street	100
Talbot avenue	207
Washington street	537
Welles avenue	155
Westville street	132
Wheatland avenue	87
Wilder street	877
Sundry streets in small quantities	220
	21,367

WEST ROXBURY.

Wards 22 and 23, in whole or in part. (Paving District No. 5.)

	Lin. ft.
Ashland street	75
Birch street	78
Boylston street	514
Cheshire street	60
Clive street	171
Cohasset street	100
Corey street	86
Forest Hills street	225
Florence street	99
Hyde Park avenue	67
Keyes street	156
Mt. Vernon street	102
Peter Parley street	292
South street	79
Washington street	348
Sundry streets in small quantities	46
	2,498

BACK BAY.

Wards 10, 11 and 19, in whole or in part. (Paving District No. 9.)

	Lin. ft.
Audubon road	834
Bay State road	1,562
Beacon street	70
Boylston street	5,629
<i>Carried forward</i>	8,095

	Lin. ft.
<i>Brought forward</i>	8,095
Dundee street	70
Falmouth street	177
Granby street	716
Huntington avenue	32,405
Marlboro' street	200
Norway street	116
Scotia street	60
Sundry streets in small quantities	78
	<u>41,917</u>

BRIGHTON.

Ward 25. (Paving District No. 4.)

	Lin. ft.
Brighton avenue	7,042
Commonwealth avenue	1,230
Linden street	125
Reedsdale street	110
	<u>8,507</u>

CHARLESTOWN.

Wards 3, 4 and 5. (Paving District No. 3.)

	Lin. ft.
St. Martin street	645
Union street	146
	<u>791</u>

RECAPITULATION.

	Lin. ft.
City proper	1,697
Roxbury	20,111
South Boston	3,855
East Boston	807
Dorchester	21,367
West Roxbury	2,498
Back Bay	41,917
Brighton	8,507
Charlestown	791
	<u>101,550</u>

Edgestones and Sidewalks.*New Edgestones. (First setting.) Lin. Ft.*

YEAR.	City Proper.	Roxbury.	South Boston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Back Bay.	Total.
1891.....	8,236	22,693	11,724	4,131	18,138	4,617	2,032	2,227	.....	73,798
1892.....	9,222	25,506	9,631	11,238	36,859	9,970	9,001	2,804	.....	114,231
1893.....	1,118	14,979	4,372	1,969	10,587	4,795	3,981	.....	.....	41,804
1894.....	1,916	39,324	521	816	6,544	1,568	1,323	694	.....	52,706
1895.....	2,990	17,053	2,097	1,146	15,205	8,319	4,191	668	.....	51,669
1896.....	1,697	20,111	3,855	807	21,367	2,498	8,507	791	41,917	101,550
Totals.....	25,179	139,666	32,203	20,107	108,700	31,767	29,035	7,184	41,917	435,758

NEW BRICK SIDEWALKS.

The following tables show the number of square yards of brick sidewalks laid during the year: —

CITY PROPER.

*Wards 6, 7, 8, 9, 10, 11, 12, 17 and 18, in whole or in part.
(Paving Districts Nos. 8 and 10.)*

	Sq. yds.
Albany street	103
East Dedham street	75
East Lenox street	170
East Newton street	67
Fellows street	60
Flagg street	100
Harrison avenue	140
Massachusetts avenue	200
Northampton street	75
Sundry streets in small quantities	54
	<u>1,044</u>

ROXBURY.

Wards 16, 17, 18, 19, 21 and 22, in whole or in part. (Paving District, No. 7.)

	Sq. yds.
Bower street	73
Camden street	53
Carried forward	<u>126</u>

	Sq. yds.
<i>Carried forward</i>	126
Centre street	172
Cedar street	166
Cobden street	50
Columbus avenue	11,500
Dean street	128
Dennis street	113
Dudley street	193
Egleston street	66
Elm Hill avenue	88
Farnham street	52
Fenno street	182
Glenwood street	62
Georgia street	333
Howland street	226
Humboldt avenue	152
Hunneman street	100
Hutchings street	98
Howland street	226
Langdon street	67
Lamont street	75
Lambert street	65
Moreland street	50
Northampton street	53
Oakland street	57
Parker street	112
Paul Gore street	128
Pontine street	66
Reed street	75
Regent street	60
Roxbury street	111
Rockland street	70
St. Alphonsus street	51
Southwood street	154
Walnut avenue	96
Whiting street	104
Windsor street	57
Woodward avenue	50
Sundry streets in small quantities	363

15,897

SOUTH BOSTON.

*Wards 13, 14, 15 and 16, in whole or in part. (Paving
District No. 1.)*

	Sq. yds.
Bellflower street	100
Broadway	50
<i>Brought forward</i>	150

STREET DEPARTMENT — PAVING DIVISION. 277

	Sq. yds.
<i>Brought forward</i>	150
Buttonwood street	184
D street	85
Dorchester avenue	156
East Eighth street	177
East Fifth street	186
East Second street	50
East Seventh street	160
East Sixth street	68
East Third street	127
Emerson street	50
H street	236
Harvest street	120
Howell street	143
L street	210
N street	52
Washburn street	98
Sundry streets in small quantities	62
	2,314

EAST BOSTON.

Wards 1 and 2. (Paving District No. 2.)

	Sq. yds.
Border street	85
Morris street	54
Paris street	70
Sundry streets in small quantities	172
	381

DORCHESTER.

Wards 16, 20 and 24, in whole or in part. (Paving District No. 6.)

	Sq. yds.
Alban street	178
Armandine street	333
Bird street	50
Brookford street	55
Buttonwood street	100
Blue Hill avenue	99
Dewey street	275
Dorchester avenue	251
Erie street	57
Mt. Vernon street	269
Stoughton street	110
Talbot avenue	214
Washington street	375
Welles avenue	110
Sundry streets in small quantities	140
	2,616

WEST ROXBURY.

Wards 22 and 23, in whole or in part. (Paving District No. 5.)

	Sq. yds.
Boylston street	164
Centre street	70
Green street	70
Keyes street	77
Sundry streets in small quantities	161
	542

BACK BAY.

Wards 10, 11 and 19, in whole or in part. (Paving District No. 9.)

	Sq. yds.
Beacon street	200
Falmouth street	138
Huntington avenue	4,380
Norway street	70
Newbury street	100
Parker street	50
St. Botolph street	135
	5,073

CHARLESTOWN.

Wards 3, 4 and 5. (Paving District No. 3.)

	Sq. yds.
Beach street	85
Sprague street	68
Union street	80
Walnut street	55
	288

RECAPITULATION.

	Sq. yds.
City Proper	1,044
Roxbury	15,897
South Boston	2,314
East Boston	381
Dorchester	2,616
West Roxbury	542
Back Bay	5,073
Charlestown	288
	28,155

New Brick Sidewalks.*First laying. Square yards.*

YEAR.	City Proper.	Roxbury.	South Foston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Back Bay.	Total.
1891	3,881	9,098	3,628	2,176	1,478	967	377	120	.....	21,725
1892	10,423	20,231	4,484	12,847	10,462	2,903	1,068	3,451	.....	65,871
1893	964	5,912	751	2,197	2,412	350	.....	175	.....	12,761
1894	1,537	11,533	2,706	2,115	453	834	.....	437	.....	19,615
1895	4,103	6,246	1,946	1,151	2,146	1,734	2,908	408	.....	20,632
1896	1,044	15,897	2,314	381	2,616	542	.....	288	5,073	28,155
Totals.....	21,952	68,917	15,819	20,867	19,567	7,332	4,353	4,879	5,073	168,759

*PROPERTY IN CHARGE OF THE DEPUTY
SUPERINTENDENT OF PAVING DIVISION.*

Buildings and wharf on Albany street, opposite Sharon street. The building is of brick and wood, and covers some 8,000 square feet of land, and is divided into a shed for storage, blacksmith's and carpenter's shops, tool-room and stable. The total contents of the lot, including wharf and building, are 63,180 square feet.

Fort-Hill wharf, containing 21,054 square feet, placed in charge of the Paving Department May 18, 1874, to be used for the landing and storage of paving-blocks and gravel until such time as said wharf shall be wanted for the extension of Oliver street. The greater part of said wharf is occupied by the Sanitary Division as a garbage-dump, and the building thereon is leased to a tenant.

Lot on Chelsea, Marion and Paris streets, East Boston, containing 43,550 square feet. Part of this lot used by the Sewer Division.

Ledge lot on Washington street, corner Dimock street, Roxbury, containing 134,671 square feet. Upon this lot are buildings containing a steam-engine and stone-crusher.

Highland-street Stable lot. Upon this lot is a large brick stable, erected in 1873, and occupied by the Sanitary and Paving Divisions; also a brick building used as a blacksmith's shop, and a shed for the storage of tools, etc.

Ledge lot on Codman street, Dorchester, containing 299,000 square feet, was purchased in 1870. Upon this lot is a shed containing a steam-engine and stone-crusher; also a stable and tool-house.

On the Almshouse lot, Hancock street, Dorchester, there are two stables; also a shed and tool-house.

Ledge lot on Magnolia street and Bird place, Dorchester, containing 81,068 square feet. This lot was purchased by the town of Dorchester in 1867.

Downer-avenue lot, Dorchester, containing 35,300 square feet.

On Child street, West Roxbury, a lot of land containing 43,024 square feet, upon which are a stable and shed, blacksmith's shop, and tool-house.

Gravel lot in the town of Milton, on Brush Hill road, containing 64,523 square feet, hired by the town of Dorchester for nine hundred and ninety-nine years.

Gravel lot on Morton street, Ward 23, containing about one-third of an acre, purchased by the town of West Roxbury in 1870, used for storage purposes.

Ledge and gravel lot, rear of Union street, containing about 37,000 square feet, purchased by the town of Brighton. This lot is at present leased.

Ledge lot on Chestnut Hill avenue, Brighton, containing about thirteen acres, upon which are an office, engine-house, stable and crusher plant.

On Medford street, Charlestown, a wharf lot, foot of Elm street, containing 8,000 feet, upon which are sheds, office, stable, etc.

In South Boston, corner of H and Ninth streets, stable, carriage-house, shed, tool-house and office on leased land.

On Hereford street, a yard with shed, tool-house and office.

Wharf, known as Atkin's wharf, 521 Commercial street, purchased in 1887 for \$24,000, containing 22,553 square feet, having on it an office and stable.

On Kenney street, Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Centre street, West Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Rosseter street, Dorchester, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Heath street, Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Revere street, wharf for storing paving blocks, etc.

Streets Laid Out or Extended.

DATE.	Street.	Location.	Length, Lin. ft.
Dec. 29,	Abbotsford st.	From Harold st. to Crawford st., Roxbury	60.00
May 6,	Athelwold st..	From School st. to Kilton st., Dorchester	1,031.00
Nov. 21,	Atherton st...	From Amory st. to Lamartine st., Roxbury	650.23
July 10,	Chamberl'n st.	From Harvard st. to Algonquin st., Dorchester	459.60
May 7,	Edwin st.	From Dorchester av. to Shawmut park, Dorchester	1,168.00
July 10,	Elizabeth st..	From Norfolk st. to Astoria st., Dorchester	280.43
*June 2,	Fenelon st. ...	(Formerly Burbank st.) from Washington st. to Merrill st., Dorchester	308.74
Oct. 12,	Fullerton st...	(Formerly Miner st.) from Brook- line av. to Fairhaven st., Back Bay	447.04
July 10,	Gaylord st...	(Formerly Cook st.) from Wash- ington st. to Chamberlain st., Dorchester	433.97
*Nov. 18,	Ellet st.....	From Adams st. to Dorchester av., Dorchester	425.28
Dec. 12,	Judson st....	Over part of a private way known as Dromey av. to Brookford st., Roxbury and Dorchester.....	217.00
Feb. 15,	Laconia st. ...	(Formerly Ashland pl.) from Washington st. to Harrison av., City Proper	307.75
Oct. 12,	Leicester st...	From Bennett st. to Washington st., Brighton	764.57
Nov. 2,	Leonard st...	From Duncan st. to Clayton st., Dorchester	430.14
June 2,	Morse st.....	From Washington st. to Bowdoin av., Dorchester.....	316.41
July 10,	Norway st. ...	(Formerly Caledonia st.) from Massachusetts av. to Parker st., Back Bay.....	683.48
Nov. 16,	Peterboro' st..	From Boylston road to Audubon road, Back Bay	1,840.73
Jan. 2,	Pontine st...	From Batchelder st. to Clifton st., Dorchester	383.00
May 29,	Reed st.....	From Thorndike st. to Hunne- man st., City Proper and Rox..	354.98
June 10,	Ruggles st...	From Parker st. to Back Bay Fens, Roxbury	945.21
June 30,	St. Botolph st.	From Massachusetts av. to Gains- borough st., Back Bay	566.86
May 11,	St. Martin st..	(Formerly Quincy st.) from Bun- ker Hill st. to Medford st., Charlestown.....	513.46
<i>Carried forward</i>			12,587.88

Streets Laid Out or Extended — *Concluded.*

DATE.	Street.	Location.	Length, Lin. ft.
Nov. 11,	Tappan st.	<i>Brought forward</i>	12,587.88
Sept. 17,	Union st.	From South st., W. Roxbury....	446.51
May 20,	Vancouver st..	From Washington st. to Lynde st., Charlestown	70.21
May 29,	Whiting st....	From Huntington av. to Ruggles st., extended to the Back Bay Fens, Roxbury.....	253.94
July 10,	Wilder st.	(Formerly Homer pl.) from More- land st. to Winthrop st., Rox...	320.00
July 10,	Wolcott st. ...	From Washington st. to Geneva av., Dorchester.....	523.29
Oct. 29,	Woodward pk.	From Columbia st. to Erie st., Dorchester	672 64
		From Howard av. to Folsom st., Dorchester	403.18
			15,277.65

Streets Widened and Relocated.

DATE.	Street.	Location.	Sq. ft.
July 10,	Clinton st.	From Fulton st. to Commercial st., City Proper.....	4,887
Sept. 17,	Centre st.	From Washington st. to Reming- ton st., Dorchester.....	28,242
Nov. 27,	McLellan st. ..	Between Erie st. and Blue Hill av., Dorchester.....	.....
May 9,	Prentiss st. . .	On southwesterly side at N. Y., N. H. & H. R.R., Roxbury....	97
Dec. 24,	River st.	Between Oakland st. and Blue av., Dorchester.....	3,027
Nov. 21,	Ruggles st. ...	At corner of Columbus av., Rox..	408
Oct. 19,	State st.	At corner of Devonshire st.	46
May 23,	Tremont st. ..	Between Columbus av. and Lin- den Park st.	124
Jan. 21,	Washington st.	Between Dale st. and Circuit st., Roxbury.....	.....
Oct. 29,	Washington st.	Between Brent st. and Welles av., Dorchester	1,647
			38,478

Streets Discontinued.

DATE.	Street.	Location.	Sq. ft.
Oct. 19,	State st.	At corner of Congress sq., City Proper.	59
Feb. 4,	Windsor st.	Portions northwesterly and southeasterly of the extension of Columbus av., Roxbury.	2,235
			2,294

Streets Ordered to Be Constructed.

DATE.	Street.	Location.
Aug. 7,	Athelwold st.	From School st. to Kilton st. Dorchester.
July 10,	Chamberlain st. ...	From Harvard st. to Algonquin st., Dor.
" "	Elizabeth st.	From Norfolk st. to Astoria st., Dor.
Nov. 18,	Ellet st.	From Adams st. to Dorchester av., Dor.
June 2,	Fenelon st.	(Formerly Burbank st.) from Washington st. to Merrill st., Dorchester.
Oct. 12,	Fullerton st.	(Formerly Miner st.) from Brookline av. to Fairhaven st., Back Bay.
July 10,	Gaylord st.	(Formerly Cook st.) from Washington st. to Chamberlain st., Dorchester.
June 2,	Morse st.	From Washington st. to Bowdoin av., Dor.
July 10,	Norway st.	(Formerly Caledonia st.) from Massachusetts av. to Parker st., Back Bay.
Nov. 16,	Peterboro' st.	From Boylston road to Audubon road, Back Bay.
June 10,	Ruggles st.	From Parker st. to Back Bay Fens, Back Bay.
Jan. 29,	Turner st.	From Haviland st. to Astor st., Back Bay.
May 20,	Vancouver st. ...	From Huntington av. to Ruggles st., extended to the Back Bay Fens, Roxbury.
July 10,	Wilder st.	From Washington st. to Geneva av., Dor.
" "	Wolcott st.	From Columbia st. to Erie st., Dor.

Names of Streets Changed.

DATE.	Street.	Location.
March 4,	Back st.	Now Harvard st., Dorchester and West Roxbury.
March 4,	Bread st.	Now Franklin st., City Proper.
March 4,	Hamilton.	Now Batterymarch st., City Proper.

The records of the Street Commissioners for the year 1896, show the following results:—

Streets laid out or extended	15,277.65 lin. feet
Streets widened and relocated	38,477 sq. feet
Streets discontinued	2,294 sq. feet
Increase in mileage	2.89 + miles.

PERMIT OFFICE.

Permits have been issued from the Permit Office during the year ending Jan. 31, 1897, as follows:—

STREET OPENINGS.

Name.	Permits.	Openings.	Feet.
American Telegraph Co. . .	4	24	72
Boston Electric Light Co. . .	438	584	61,977
Boston Fire Department . .	48	90	3,541
Boston Gaslight Co. . . .	657	657	46,476
Boston & Albany R.R. Co. . .	6	6	240
Boston Lamp Department . .	44	44	421
Boston Low Tension Wire Association	39	39	4,501
Boston & Maine R.R. Co. . .	12	12	1,000
Boston Park Department . .	6	6	295
Boston Sewer Division . . .	155	155	29,929
Boston Transit Commission .	15	15	265
Boston Water Department Eastern Division	3,347	3,347	162,175
Boston Water Department Mystic Division	279	279	7,643
Brookline Gaslight Co. . . .	812	812	36,604
Charlestown Gaslight Co. . .	64	64	5,338
Church Green Light & Power Co.	6	6	1,490
Dorchester Gaslight Co. . . .	488	488	36,268
Edison Electric Illuminating Co.,	559	559	42,995
East Boston Gaslight Co. . .	145	145	7,978
Jamaica Plain Gaslight Co. .	228	228	17,762
Lynn & Boston R.R. Co. . . .	3	3	1,900
Metropolitan Sewerage Commission	9	9	830
Metropolitan Construction Co. .	7	7	12,350
New England Telegraph & Telephone Co., of Mass. . . .	389	1,393	50,101
New England Telegraph Co. . .	1	1	3
N. Y., N. H. & H. R.R. Co. . .	4	4	130
N. Y. & N. E. R.R. Co. . . .	4	4	2,650
Norfolk Suburban Street R.R. Co.	6	6	295
Postal Telegraph Cable Co. . .	15	38	1,244
Quincy Market Cold Storage Co.	24	24	5,215
Roxbury Gaslight Co. . . .	270	270	37,522
South Boston Gaslight Co. . .	248	248	10,865
Union Freight R.R. Co. . . .	4	4	364
West End Street Railway Co. .	416	1,608	302,295
Western Union Telegraph Co. .	35	560	5,612
West Roxbury & Roslindale Street R.R. Co.	11	764	44,550
Miscellaneous	2,432	2,433	109,587
Totals	<u>11,289</u>	<u>15,017</u>	<u>1,055,171</u>

There were also 2,075 openings made between Feb. 1, 1896 and Jan. 1, 1897, on emergency permits issued Jan. 1, 1896.

On Jan. 1, 1897, the new form of emergency permits went into effect, and there were 215 openings to Feb. 1, 1897.

These openings as near as can be ascertained averaged about 6 feet each, making 13,740 feet.

Making the total length of openings about 229.7 miles.

Permits other than for opening streets have been issued as follows: —

Advertising, by man wearing hat and coat lettered	29
Clearing snow from roof	53
Driving cattle	3
Distributing sand	9
Erecting projections (illuminated signs, etc.)	310
Erecting, repairing and removing awnings	4,264
Erecting and repairing buildings	7,216
Feeding horses on the street	1,064
Moving buildings	42
Occupying sidewalk for loading and unloading goods	15
Pedlers, four different classes	877
Placing signs flat on buildings	2,138
Raising and lowering safes, machinery, etc.	522
Special for various purposes	230
Watering carts	110

Total	<u>16,882</u>
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Total number permits for street openings	11,289
Total number permits for all other purposes	16,882

Grand total	<u>28,171</u>
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There have been 60 applications for permits to sell fruit from windows, doorways and areas, and for occupying sidewalks for loading or unloading goods, and these were referred to the Board of Police for report as to location, etc., and their recommendation has been carefully considered in the issuance of these permits.

Previous to April 25, 1896, there were 13,390 notices sent to the various foremen directing them to repair defects in the streets, which had been reported by the police or others; also 1,074 to private parties to repair work improperly done, where permits had been granted to open the streets, and to owners of estates where coal-holes, sidewalk-lights, etc., were defective. After that date the Superintendent of Inspectors assumed charge of the Inspectors, and 3,834 notices were sent to private individuals and 135 claims for damages investigated.

Four hundred and sixty-one notices have been sent to departments, and others, regarding proposed street improvements.

Three hundred and eighty-three new bonds were filed this year, and these with all bonds previously filed are now being investigated by a clerk specially detailed.

STREET-NUMBERING.

Numbers have been assigned to the estates in the different districts as follows:—

City Proper . . .	8 whole streets, and 63 parts of streets
Dorchester . . .	18 whole streets, and 73 parts of streets
Roxbury . . .	8 whole streets, and 46 parts of streets
W. Roxbury . . .	4 whole streets, and 33 parts of streets
Brighton . . .	1 whole streets, and 25 parts of streets
South Boston . . .	2 whole streets, and 32 parts of streets
Charlestown . . .	1 whole street, and 11 parts of streets
East Boston . . .	18 parts of streets

Total . . . 42 whole streets, and 301 parts of streets

About 5,000 figures were required for this work.

APPENDIX D.

REPORT OF DEPUTY SUPERINTENDENT OF THE
SANITARY DIVISION.ROOMS 917 to 920, TREMONT BUILDING,
BOSTON, Feb. 1, 1897.BENJ. W. WELLS, ESQ., *Superintendent of Streets*:

DEAR SIR :— I respectfully submit the annual report of the expenditures, income, and operation of the Sanitary Division of the Street Department for the financial year ending Jan. 31, 1897.

Yours respectfully,

PATRICK O'SHEA,
Deputy Superintendent.

The work of the Sanitary Division includes the removal of house-offal and the removal of house and store dirt and ashes, accumulated from the burning of materials for heating buildings and for domestic purposes.

The following table shows the amounts expended for the maintenance of the Sanitary Division for the past five (5) years :—

1892	\$469,370 74
1893	481,300 63
1894	467,459 02
1895	432,778 52
1896	476,807 34

Comparative Table Showing Net Cost of Maintenance of the
Sanitary Division to the City of Boston.

	Expended.	Income.	Net cost to City.
1892	\$469,370 74	\$36,426 16	\$432,944 58
1893	481,300 63	32,056 27	449,244 36
1894	467,459 02	42,320 55	425,638 47
1895	432,778 52	42,985 53	389,792 99
1896	477,241 54	36,146 77	441,094 77

The present system of disposal of offal and garbage in this city is expensive and unsatisfactory, and early action should be taken looking to the introduction of more modern and sanitary methods. Cremation or reduction process works, properly located, and constructed and operated with due care, could be established with advantage to the general public, and without offence to the individual.

The City Government should make a sufficient appropriation to accomplish this object.

But few complaints have been received concerning the failure of the division to promptly remove offal and ashes; investigation of these has usually shown that either offal has not been properly separated from ashes or other refuse, as is insisted upon by the department, or else that the receptacles were deposited in some inaccessible place, or were larger than the ordinances provide and the regulations of the department permit.

In order that householders might understand these regulations, and that the work be not unnecessarily delayed, the following circular was issued:—

CITY OF BOSTON.

Notice to Housekeepers and Tenants.

Housekeepers and other occupants of dwellings are requested to place their house and cellar dirt and sweepings in the streets opposite their premises between the hours of sunrise and 2 o'clock, P.M., of the following days: Monday, May 4; Tuesday, May 5; Wednesday, May 6; Thursday, May 7; Friday, May 8; when they will be removed by the city carts. After which times no person will be allowed to place any dirt, ashes, filth or rubbish of any kind whatever, in any of the ways, streets or places of the city, without a permit from the Superintendent of Streets.

Dirt of any kind not to be placed in the streets on Saturday.

BENJ. W. WELLS,
Superintendent of Streets.

CITY HALL, BOSTON, 1896.

SPECIAL NOTICE.

On and after above-named days, ashes, etc., in order to be removed by city carts, must be placed in receptacles not larger than an ordinary flour barrel, and in a position on a level with the grade of the adjoining sidewalk.

Vault filth, offal, bricks and mortar, gravel and earth, garden rakings and shrubbery, are not included in the above, and will not be removed by the city if placed in the streets.

NOTE.—This circular, printed in English, Hebrew, and Italian, was posted in prominent places by the regular bill-posting companies, and for a week was also carried on the sides of all the wagons and carts owned by this division.

During the past year the shops of the division at the South Yard have been continued. These are now established with competent mechanics upon the same basis as any journeyman shop in the city, and the repairs and some constructive work of this and other divisions has been done cheaply and well. They consist of a wheelwright and blacksmith shop, paint shop, harness shop, and horse-shoeing shop, and a statement of the work performed will be found later in Appendix .

The following table shows the number of loads of offal collected and removed in the last five (5) years :—

AMOUNT OF HOUSE OFFAL REMOVED.

Year.	No. of Loads.
1892	46,343
1893	51,415
1894	50,637
1895	51,327
1896	56,402

Each load of offal is equivalent to fifty-seven (57) cubic feet and has a maximum weight of one and one-half ($1\frac{1}{2}$) tons at certain seasons of the year.

The above table does not include previous to the year 1893 the amount collected by contract in East Boston and Brighton, which amounted to about 5,100 loads per year. Of the amount (56,402 loads) collected during the year 1896, 3,786 were collected by the East Boston contractor, 1,362 were collected by the Brighton contractor, and 4,707 were collected by the Dorchester contractor, and 703 loads were collected by the West Roxbury contractor, leaving 45,844 loads collected by city teams.

The collection of this material is attended to in winter by an average regular force of 75 city offal carts and 171 men, and on contract work 17 offal carts and 34 men; making a total of 92 offal carts and 205 men. At different times, and especially in summer, an approximate extra force of 21 teams and 42 men are employed.

The disposal has been made during the year in the following manner: The offal from the markets, and offal that is decayed, is put on board a scow and towed to sea; the offal of Charlestown is taken to the yard at Malden bridge and there disposed of to farmers; the offal of East Boston is collected by contractors, and is removed to Revere; the offal of the City Proper and South Boston is conveyed to the yard at the South End, and disposed of to farmers, who remove it daily; the offal of Roxbury and a part of West Roxbury is conveyed to the yard on Highland street, and disposed of to farmers; a portion of the collections of West Roxbury is collected by contract and removed to Needham; the offal of Brighton is collected by contract and disposed of outside of the district; the offal in Dorchester, collected by the contractor who sells it to farmers from his own offal-sheds near Commercial Point.

Collection and Disposal of Offal.

YEAR.	Total amount collected.	Amount sold.	Amount dumped on scow and towed to sea or wasted.	Per cent wasted to total collection.	Amount of receipts from sales.
1892 ¹	46,343 loads.	30,773 loads.	15,570 loads.	33 per cent.	\$21,282 82
1893 ²	46,276 "	30,824 "	15,363 "	30 " "	20,790 03
1894 ³	42,082 "	37,057 "	5,025 "	12 " "	26,262 40
1895 ⁴	41,480 "	36,620 "	4,860 "	12 " "	27,374 47
1896 ⁵	45,844 "	35,549 "	10,295 "	22 " "	21,187 76

¹Twelve months. Above table does not include contracts in East Boston and Brighton.

²In East Boston, 3,720 loads; Brighton, 1,539 loads; Dorchester, 3,296 loads; total, 8,555 loads, — collected during 1894 are not included in above table. For 1891 and 1892, East Boston and Brighton were estimated at 5,100 loads.

³In East Boston, 3,732 loads; Brighton, 1,419 loads; Dorchester 4,179 loads; West Roxbury, 517 loads; total, 9,847 loads, — collected during 1895, not included in above table.

⁴In East Boston, 3,786 loads; Brighton, 1,362 loads; Dorchester, 4,707 loads; West Roxbury, 703 loads; total, 10,558 loads, — collected during 1896 not included in above table.

The following table shows in convenient form the full force engaged in the collection of offal alone throughout the entire city: —

The Force Employed.

CITY FORCE.		Hired teams.	CONTRACTORS' TEAMS.				Total.
			E. Boston.	Brighton.	Dorch'ter.	W. Roxbury.	
Sub-Foremen...	4	.....	.....	.....	.....	1	5
Inspectors.....	5	.....	1	1	1	.....	8
Ofal Clerks.....	1	.....	.....	.....	.....	.....	1
Teamsters.....	68	7	6	2	7	2	92
Helpers	72	7	6	2	7	2	96
Dumpers	3	.....	.....	.....	.....	.....	3
Totals	153	14	13	5	15	5	205

REMOVAL OF ASHES AND HOUSE DIRT.

The removal of ashes, house and store dirt, has been attended to during the year by a minimum force of 250 men and 105 city carts, also by 6 carts with an East Boston contractor, 5 carts with a South Boston contractor, 10 carts with a Dorchester contractor, and 3 carts with a West Roxbury contractor. At different times, and especially during the winter months, an additional force of 43 teams and 86 men are employed.

This work shows a constant increase from year to year, as will be seen in the following table, and is an indication of the actual growth of the city: —

AMOUNT OF ASHES, HOUSE AND STORE DIRT REMOVED.

Year.											No. of Loads.
1892	.	.	.	.	.	.	.	.	.	.	303,878
1893	.	.	.	.	.	.	.	.	.	.	320,571
1894	.	.	.	.	.	.	.	.	.	.	326,798
1895	.	.	.	.	.	.	.	.	.	.	336,886
1896	.	.	.	.	.	.	.	.	.	.	363,975

Each load of ashes contains about 44 cubic feet.

The following table shows in convenient form the force engaged in this collection throughout the entire city: —

The Force Employed.

CITY FORCE.		Hired Teams.	CONTRACTORS' TEAMS.					Total.
			West So. Boston.	North Dorchester.	South Dorchester.	East Boston.	West Roxbury.	
Sub-Foremen.....	7						1	8
Inspectors.....	9		1	1		1		12
Tallymen.....	6							6
Teamsters.....	105	43	5	5	5	6	3	172
Helpers.....	107	43	5	5	5	6	3	174
Dampers.....	16							16
Total.....	250	86	11	11	10	13	7	388

Comparative Statement of Number of Loads of Ashes Collected during 16 Weeks of the Summer and 16 Weeks of the Winter.

Summer.	Loads.	Winter.	Loads.	Difference for Winter.
Apr. 30, 1892, to Aug. 19, 1892	82,034	Oct. 30, 1892, to Feb. 12, 1893	106,772	24,738
“ 29, 1893, “ “ 18, 1893	91,721	“ 28, 1893, “ “ 16, 1894	106,851	15,130
“ 27, 1894, “ “ 16, 1894	88,865	“ 25, 1894, “ “ 7, 1895	116,915	28,050
“ 26, 1895, “ “ 15, 1895	94,671	“ 18, 1895, “ “ 6, 1896	121,873	27,202
“ 30, 1896, “ “ 13, 1896	101,135	“ 16, 1896, “ Jan. 28, 1897	117,214	16,079

Final Disposition of all material collected from Feb. 1, 1896, to Feb. 1, 1897, together with the portion of street sweepings and cess-pool dirt, disposed of for other divisions by the Sanitary Division is shown in the following table: —

	Amount collected.	Deposited on low lands.	Towed to sea.	Collected by contractors.	Sold to farmers.
	Loads.	Loads.	Loads.	Loads.	Loads.
Ashes, house and store dirt,	363,975	220,907	102,491	40,577	
House offal.....	56,402	.....	7,910	110,558	37,754
Street sweepings.....	36,072	.....	36,072		
Cesspool dirt.....	1,011	.....	1,011		
	457,460	220,907	147,484	51,135	37,754

¹ This amount is included in the amount collected, 56,402. Of the 10,558 loads, 3,786 were collected in East Boston, 1,362 in Brighton, 4,707 in Dorchester, and 703 in West Roxbury.

The total expenditures of the division, including work done for other divisions and paid for by them, was .	\$508,443 23
Less amount so repaid	31,201 69
Cash paid and bills rendered to City Collector . . .	\$477,241 54
	36,146 77
Net cost of maintenance of Sanitary Division, Feb. 1, 1896, to Jan. 31, 1897	\$441,094 77

Details of expenditures, income, and operation will be found in Appendix D.

FINANCIAL STATEMENT.

Amount of appropriation	\$435,000 00
Transferred from Soldiers' Relief Fund	11,000 00
Transferred from Police Department	29,330 39
Transferred from Surplus Revenue	1,911 15
Total amount appropriation	\$477,241 54
Total amount expended	477,241 54

INCOME.

Amount of moneys deposited and bills presented to the City Collector for collection for material sold and work performed by the Sanitary Division of the Street Department during the year ending Jan. 31, 1897.

Moneys deposited with City Collector.

From sale of house offal	\$21,187 76
From letting of scow privileges	696 35
	\$21,884 11

Bills deposited with the City Collector.

For the removal of engine ashes	\$12,642 66
For the sale of manure	591 60
For the letting of scow privileges	28 40
For the letting of Fort Hill Wharf	1,000 00
	\$14,262 66
	\$36,146 77
Amount collected by the City Collector	\$27,735 68

Objects of Expenditures.

Items.	Total amount expended.	Amount paid by other Divisions.	Amounts charged to the Sanitary Division
For salaries of Deputy Superintendent and clerks in office,	\$9,707 70	.....	\$9,707 70
For labor in collecting and removing house dirt and ashes,	135,815 71	.....	135,815 71
For labor in collecting and removing house offal.....	87,034 11	.....	87,034 11
For labor of foremen.....	7,438 97	.....	7,438 97
For labor of sub-foremen and inspectors collecting house dirt and ashes.....	10,696 29	.....	10,696 29
For labor of sub-foremen and inspectors collecting house offal.....	7,111 30	.....	7,111 30
For labor of men employed in stables and yards.....	20,210 15	.....	20,210 15
For holidays (allowed time)..	17,307 56	.....	17,307 56
For labor, stock, and tools used in blacksmith shop.....	6,512 72	.....	6,512 72
For labor, stock, and tools used in wheelwright shop.....	5,137 57	75 09	5,062 48
For labor, stock, and tools used in harness-shop.....	5,246 71	.....	5,246 71
For labor, stock, and tools used in paint shop	6,274 42	.....	6,274 42
For labor, stock, and tools used in horseshoeing shop	6,052 18	.....	6,052 18
For labor, rental, towage, etc., on account of dumping-scow,	18,795 40	.....	18,795 40
For shoeing horses (outside shops)	2,412 37	8 00	2,404 37
For extra teams collecting ashes and house dirt.....	66,004 74	16,653 00	49,351 74
For extra teams collecting house offal.....	5,289 00	1,117 50	4,171 50
For grain used in stables.....	14,660 16	3,783 32	10,876 84
For hay and straw used in stables.....	17,018 86	4,588 59	12,430 27
For horses.....	7,031 00	2,611 00	4,420 00
For repairs on stables and sheds.....	2,010 59	.....	2,010 59
For fuel, gas, and electric lights.....	1,788 52	.....	1,788 52
For veterinary services and medicine for horses.....	2,370 09	.....	2,370 09
For printing, stationery, and advertising.....	1,807 40	242 06	1,565 34
For water rates	854 60	14 00	840 60
For ash stock, consisting of cart-covers, baskets, etc.....	377 55	156 00	221 55
For offal stock, consisting of buckets, etc.....	399 35	.....	399 35
<i>Carried forward.....</i>	<i>\$465,365 02</i>	<i>\$29,248 56</i>	<i>\$436,116 46</i>

Items.	Total amount expended.	Amount paid by other Divisions.	Amounts charged to the Sanitary Division
<i>Brought forward</i>	\$465,365 02	\$29,248 56	\$436,116 46
For stable stock, consisting of curry combs, brushes, etc...	1,693 26	13 18	1,680 08
For collecting house dirt and ashes in East Boston.....	7,400 00	608 33	6,791 67
For collecting house dirt and ashes in South Boston, west of Dorchester st.....	1,496 25	.....	1,496 25
For collecting house dirt and ashes in Dorchester, south of Park, School, and Harvard sts.....	3,985 00	323 75	3,661 25
For collecting house dirt and ashes in Dorchester, north of Park, School, and Har- vard sts.....	4,387 50	365 62	4,021 88
For collecting house dirt and ashes in West Roxbury, south of Pond, May, Arbor- way, and Morton sts.....	1,700 00	.....	1,700 00
For collecting house offal in East Boston	8,000 00	.....	8,000 00
For collecting house offal in Brighton	2,000 00	.....	2,000 00
For collecting house offal in part of West Roxbury.....	1,488 00	.....	1,488 00
For collecting house offal in Dorchester	7,500 00	625 00	6,875 00
For incidental expenses	3,428 20	17 25	3,410 95
	\$508,443 23	\$31,201 69	\$477,241 54
Telephone	\$657 04		
Travelling expenses .	817 80		
Board of horses	610 05		
Rent of stables	600 00		
Goddard buggy	390 00		
Miscellaneous sup- plies for office.....	284 08		
Miscellaneous sup- plies for stable	29 03		
Damage by city team,	20 25		
Use of horses	13 45		
Newspapers	6 50		
	\$3,428 20		
Paid by Street-Cleaning Di- vision .....	.....	.....	22,740 49
Paid by Paving Division.....	.....	.....	3,947 40
Paid by Sewer Division.....	.....	.....	2,043 40
Paid by Bridge Division.....	.....	.....	400 60
Paid by Street-Watering Di- vision .....	.....	.....	398 50
Paid by Central Office .....	.....	.....	108 30
Paid by County of Suffolk....	.....	.....	1,442 00
Paid by City Engineer.....	.....	.....	71 00
Paid by Ferry Division .....	.....	.....	50 00
	\$508,443 23	\$31,201 69	\$508,443 23

Total Cost for Removal of House-dirt, Ashes and House-offal.**HOUSE-DIRT AND ASHES ACCOUNT.**

Expended for labor, as per pay-rolls . . .	\$146,512 00	
Expended for stock, etc., per ledger account, . . .	154,714 55	
Expended on contracts, South Boston . . .	1,496 25	
Expended on contracts, Dorchester . . .	8,372 50	
Expended on contracts, East Boston . . .	7,400 00	
Expended on contract, part of West Roxbury, . . .	1,700 00	
		\$320,195 30

HOUSE-OFFAL ACCOUNT.

Expended for labor, as per pay-rolls . . .	\$94,145 41	
Expended for stock, etc., as per ledger account . . .	61,978 52	
Expended on contract, East Boston . . .	8,000 00	
Expended on contract, Brighton . . .	2,000 00	
Expended on contract, Dorchester . . .	7,500 00	
Expended on contract, West Roxbury . . .	2,000 00	
		175,111 93
Salaries	\$9,707 70	
Incidentals	3,428 30	
		13,136 00
Total		<u>\$508,443 23</u>

Comparative Table showing the Cost of Collecting Ashes and Offal and Delivering same at various Dumps.

Cost per cart-load, including administration expenses . . .	\$1 14
“ “ “ minus “ “ “ . . .	1 10
“ “ “ of ashes, hired teams, and contracts . . .	59
“ “ “ labor, hired teams, and contracts, . . .	88
“ “ “ offal, “ “ “ “ “ . . .	3 10
“ “ “ hired teams, and contracts . . .	1 85
“ “ dumping-boat load to transport garbage to sea . . .	55 94
“ “ cart-load “ “ “ “ “ . . .	13

Amount expended for the Collection of House-dirt, Ashes and House-offal, Labor, Hired Teams and Contracts.

DISTRICTS.	Expended for Collecting.	
	Ashes.	Offal.
1—South Boston.....	\$16,603 74	\$8,334 00
2—East Boston.....	7,681 25	8,270 75
3—Charlestown.....	14,581 15	6,530 11
4—Brighton.....	6,279 50	2,362 50
5—West Roxbury.....	13,938 75	6,587 50
6—Dorchester.....	8,839 00	7,939 50
7—Roxbury.....	39,416 50	21,819 59
8, 9—South End and Back Bay.....	73,270 79	52,001 91
10—West and North End.....	50,874 81	4,576 55
Totals....	\$231,485 49	\$118,422 41

ASH CONTRACTS.

D. O'Sullivan.....	\$1,496 25	for territory, South Boston, west of Dorchester street.
W. F. Hedrington,	7,400 00	" " in East Boston.
Matthew E. Nawn,	1,700 00	" " West Roxbury, south of Pond street.
John McShane...	4,387 50	" " Dorchester, north of Park and School streets.
" " ...	3,985 00	" " Dorchester, south of Park and School streets.

OFFAL CONTRACTS.

Thomas Mulligan.	\$8,000 00	for territory in East Boston.
George T. Barnes.	1,488 00	" " West Roxbury.
John McShane....	7,500 00	" " Dorchester.
D. B. Morrill.....	2,000 00	" " Brighton.

Expenses of Dumping Boats.

Amount expended for towing by department tow-boat	\$5,786 34	
Amount expended for towing by hired tow-boat,	1,082 00	
		\$6,868 34
Amount expended for Repairs on boats	\$4,234 56	
" " " " " wharf	309 26	
		4,543 82
Amount expended for Labor, Captain	\$1,750 00	
" " " " crews and dumpers,	4,513 63	
		6,263 63
Amount expended for Dredging		350 00
" " " Canvass dust protectors		453 25

INCIDENTALS.

Amount expended for Disinfectants	\$110 72	
" " " Manilla rope, blocks, etc.	63 30	
" " " Telephone, salt, etc.	76 87	
" " " Dories	41 08	
" " " Kerosene oil	5 04	
" " " Coal	12 87	
" " " Ferry tolls, etc.	6 48	
		316 36
		\$18,795 40
Number of trips to sea by department tow-boat	309	
" " " hired tow-boat	27	
		336

Cost per trip, \$55.94.

Number of cart loads of garbage carried to sea, 147,484.

Cost per cart load, 13 cents.

Material Collected by Districts.

MATERIAL.	South End and Back Bay.	West.	Roxbury.	Charlestown.	Brighton.	S. Boston.	E. Boston.	Dorchester.	W. Roxbury.	Total Loads.
House dirt and ashes	106,755	88,669	57,339	21,031	9,802	25,240	11,112	23,099	20,928	363,975
House offal	24,053	2,244	10,325	2,665	1,362	4,092	3,786	4,707	3,030	56,402
Total.....	130,808	90,913	67,664	23,696	11,164	29,332	14,898	27,806	23,958	420,377

Disposition of Material Collected.

WHERE DUMPED.	Loads of House dirt and Ashes.	Loads of House offal.	Loads of Street sweepings, Street Cleaning Division.	Loads of Cesspool Matter, Sewer Division.	Total Loads.
Massachusetts ave., J. C. Cobb, First st., East Cambridge, J. T. Scully	31,911	.....	.....	.....	31,911
Ward st., Sewall-Day Co.	20,603	.....	.....	.....	20,603
Norfolk ave., J. J. Nawn	15,948	.....	.....	.....	15,948
Mill pond, Charlestown, City Park Department	15,410	.....	.....	.....	15,410
Huntington ave., J. C. Gallagher	13,063	.....	.....	.....	13,063
Vale st., Choate Burnham estate	10,903	.....	.....	.....	10,903
Centre st., Owen Nawn	10,661	.....	.....	.....	10,661
431 Medford st., City Park Department	10,030	.....	.....	.....	10,030
Harold st., J. Stone	7,958	.....	.....	.....	7,958
First st., cor. Congress, State of Massachusetts	7,382	.....	.....	.....	7,382
Williams st., Mrs. Carey	6,539	.....	.....	.....	6,539
Parker st., Mr. Bowers	6,394	.....	.....	.....	6,394
Swett st., J. C. Cobb	5,725	.....	.....	.....	5,725
May st., Seaverns estate	5,232	.....	.....	.....	5,232
Devon st., Frank Foster	4,813	.....	.....	.....	4,813
Maverick st., E. Boston Land Company	4,691	.....	.....	.....	4,691
Ninth & H sts., Thomas Hills, Proctor st., Mr. Brown	4,543	.....	.....	.....	4,543
Brighton ave., A. Timmins ...	3,612	.....	.....	.....	3,612
Prescott st., E. Boston Land Company	3,523	.....	.....	.....	3,523
Massachusetts ave., L. A. Brown	2,836	.....	.....	.....	2,836
Brought forward.....	2,666	.....	.....	.....	2,666
	2,492	.....	.....	.....	2,492
	196,935	.....	.....	.....	196,935

Deposition of Material Collected.— *Continued.*

WHERE DUMPED.	Loads of House dirt and Ashes.	Loads of House offal.	Loads of Street sweepings, Street Cleaning Division.	Loads of Cesspool Matter, Sewer Division.	Total Loads.
<i>Carried forward</i>	196,935	.....	.....	.....	196,935
Congress st., State of Massa- chusetts	2,357	.....	.....	.....	2,357
Condor st., John Hayes	2,279	.....	.....	.....	2,279
Brookline ave., Jas. H. Barry,	2,128	.....	.....	.....	2,128
Harold st., Harris estate.....	2,057	.....	.....	.....	2,057
Shirley st., Star Brewery	2,042	.....	.....	.....	2,042
Cottage st., Dorchester His- torical Society.....	2,009	.....	.....	.....	2,009
Various places, city teams.....	20,362	.....	.....	.....	20,362
Various places, contracts.....	31,315	.....	.....	.....	31,315
At sea by scows	102,491	7,910	36,072	1,011	147,484
Sold to farmers .....	.....	37,934	.....	.....	37,934
E. Boston, by Thos. Mulligan,	.....	3,786	.....	.....	3,786
Brighton, by D. B. Morrill.....	.....	1,362	.....	.....	1,362
Dorchester, by John McShane,	.....	4,707	.....	.....	4,707
W. Roxbury, by G. T. Barnes,	.....	703	.....	.....	703
Totals	363,975	56,402	36,072	1,011	457,460

Account of the Number of Loads of Material Collected from Jan. 31, 1892,
to Feb. 1, 1897.

YEARS.	Ashes.	Offal.	Total loads.
1892	303,878	46,343	350,221
1893	320,571	51,415	371,986
1894	326,798	50,637	377,435
1895	336,886	51,327	388,213
1896	¹ 363,975	² 56,402	420,377

¹ Dennis O'Sullivan, West South Boston, collected..... 2,402 Loads
 William F. Hedrington, East Boston, collected..... 11,112 "
 John H. McShane, North Dorchester, collected..... 13,447 "
 John H. McShane, South Dorchester, collected..... 9,652 "
 Matthew E. Nawn, part of West Roxbury, collected 3,964 "
 40,577 "

² Thomas Mulligan, East Boston, collected..... 3,786 Loads
 David B. Morrill, Brighton, collected..... 1,362 "
 John McShane, Dorchester, collected..... 4,707 "
 George T. Barnes, part of West Roxbury, collected..... 703 "
 10,558 "

Material Collected, Cost of Hired Teams, including Contracts.

	NUMBER OF LOADS.			AMOUNT EXPENDED.		
	Ashes.	Offal.	Total.	Ashes.	Offal.	Total.
South Yard.....	35,009	596	35,605	\$23,898 24	\$842 50	\$24,740 74
West Yard.....	18,910	5	18,915	11,791 00	12 50	11,803 50
Roxbury Yard.....	22,971	1,043	24,014	15,811 00	2,367 50	18,178 50
Charlestown Yard.....	2,353	317	2,670	1,760 00	696 50	2,456 50
Brighton Yard.....	5,606	⁷ 1,362	6,968	3,502 50	2,000 00	5,502 50
South Boston, Yard.....	11,404	79	11,483	5,644 50	297 50	5,942 00
South Boston, east of Dorchester st., O'Sullivan contract.....	² 2,402	.....	2,402	1,496 25	.....	1,496 25
West Roxbury by Roxbury Yard.....	5,106	475	5,581	3,417 50	1,072 50	4,490 00
West Roxbury, south of Pond and Morton sts., ashes, M. E. Nawn; offal, George Barnes.....	⁵ 3,964	⁸ 703	4,667	1,700 00	1,488 00	3,188 00
East Boston, ashes, W. F. Hedrington; offal, T. Mulligan.....	¹ 11,112	⁶ 3,786	14,898	7,400 00	8,000 00	15,400 00
Dorchester, ashes, south of Park, School and Harvard sts., John McShane.....	⁴ 9,652	.....	9,652	3,985 00	.....	3,985 00
Dorchester, ashes, north of Park, School and Harvard sts., John McShane.....	³ 13,447	.....	13,447	4,387 50	.....	4,387 50
Dorchester, offal, John McShane.....	.....	⁹ 4,707	4,707	.....	7,500 00	7,500 00
	141,936	13,073	155,009	\$84,793 49	\$24,277 00	\$109,070 49

CONTRACTS.

*Ashes.**Offal.*

¹ Hedrington.....	\$7,300 00	⁶ Mulligan.....	\$8,000 00
² O'Sullivan.....	5,985 00	⁷ Morrill.....	2,000 00
³ McShane.....	4,237 50	⁸ Barnes.....	1,488 00
⁴ McShane.....	3,885 00	⁹ McShane.....	7,500 00
⁵ Nawn.....	1,700 00		

DIVISION OF AMOUNT EXPENDED.

	Hired Teams.	Contractors.	Total.
Ashes.....	\$65,824 74	\$18,968 75	\$84,793 49
Offal.....	5,289 00	18,988 00	24,277 00
Total.....	\$71,113 74	\$37,956 75	\$109,070 49

The money received from the sales of house-offal is deposited monthly with the City Collector, and then credited to the sinking fund of the city of Boston.

HOUSE DIRT AND ASHES.

In the collection of house dirt and ashes there are employed 383 men and 200 carts. This material is removed from hotels, tenement-houses and stores daily; from dwelling-houses once a week.

The City Ordinances of 1892 (chapter 36) require that house dirt and ashes shall be kept in an easily accessible place for their removal, the men being obliged to enter the yards and remove the receptacles to the sidewalks, where their contents are dumped into the carts. The receptacles are then placed in their original position. The material is disposed of, if possible on low lands, being used for filling, and is also dumped on scows, to be carried to sea. Of the amount collected last year, 28 per cent was disposed of in this manner, viz., carried to sea.

There are five sections of the city let out by contract for the collection of house dirt and ashes. Both Dorchester contracts are held by John McShane; East Boston, by Wm. F. Hedrington; and a part of West Roxbury by Matthew E. Nawn. At the expiration of one of the South Boston ash contracts—that one held by Dennis O'Sullivan, west of Dorchester street, the work was continued by day labor, as a yard had been established on Ninth street, corner of Vale; all of the teams for the collection of ashes and offal in this section are located there, in order that the work be done by day labor.

HOUSE OFFAL.

There are employed in the removal of house offal 205 men and 93 wagons. The offal is removed from dwelling-houses twice a week during the summer months, and once a week during the winter; from hotels, markets and restaurants it is removed daily. The men are required to enter yards, collect the offal, empty into wagons and deliver at the depots, located as follows: One on Albany street, one on Highland street, Roxbury, and one at the Almshouse, Charlestown; also to the dumping-boats located at Fort Hill wharf on Atlantic avenue.

The offal is largely sold to farmers of adjoining towns, the remainder is dumped on the scows and carried to sea. About fourteen per cent of the quantity collected during the past year has been disposed of in this manner. The Dorchester contractor disposes of the offal at present in the same manner as the city itself, by sale to farmers.

At present there are four sections of the city let out by contract for the collection of house offal: East Boston, by Thomas Mulligan; Dorchester District, by John McShane; Brighton District, by D. B. Morrill, and a portion of West Roxbury, by George T. Barnes.

The cash revenue received from the sale of house-offal for the past five years has been as follows:—

1892	.	.	.	.	.	.	.	.
1893	.	.	.	.	.	.	.	.
1894	.	.	.	.	.	.	.	.
1895	.	.	.	.	.	.	.	.
1896	.	.	.	.	.	.	.	.

DIVISION REPAIR-SHOPS.

Located at the South End yards, situated at No. 650 Albany street. At these shops all of the repairs on carriages, carts, wagons, etc., are made, together with the painting of the same; all harnesses are repaired and many made, and a portion of the horseshoeing done.

The mechanics in these shops are engaged also in making repairs on the vehicles, etc., sent by the different divisions of the Street Department; all street signs are painted for the Paving Division, and a certain amount of the horseshoeing is done for the several divisions.

WHEELWRIGHT AND BLACKSMITHS' SHOPS.

Cost to maintain during the past year, the sum of \$11,650.29 of which amount \$6,461.77 was expended for labor, and \$5,188.52 for stock. The carts, wagons and other vehicles of the division were properly overhauled, when in need of repairs, and the entire lot of ash and offal sleds were put in proper working order. Of the above amount expended in maintaining these shops, the following amounts were charged off to the several divisions, and others for repairing, altering and putting in good condition their carts, wagons, watering-carts, sleds, etc.:—

Paving Division	\$1,813 32
Sewer Division	660 62
Street Cleaning Division	372 04
Bridge Division	279 70
Street Watering Division	168 75
Ferry Division	50 00
Central Office	123 14
County of Suffolk	169 69
	\$3,637 26

This leaves a net cost of \$8,013.03 for the repairs and construction of all work of this character for the Sanitary Division.

There are employed in these shops three wheelwrights, four blacksmiths and three helpers.

PAINT SHOP.

Cost to maintain \$6,274.42 of which amount \$5,008.64 was expended on labor and \$1,265.78 on stock. The work done by this shop was the painting and lettering of that which was either built or repaired in the wheelwright and blacksmiths' shops, together with 1,170 different styled signs that were painted for the Paving Division. Of the above amount expended for maintaining this shop, the following amounts were paid by the several divisions of the department for painting carts, wagons, buggies, signs, etc.:—

Paving Division	\$1,617 78
Sewer Division	238 82
Street Cleaning Division	542 50
Bridge Division	82 45
Street Watering Division	214 86
Central Office	52 70
County of Suffolk	140 47
	\$2,889 58

Leaving the balance \$3,384.84, as the cost of this work for the Sanitary Division.

This shop employs four painters and three helpers.

HARNESS SHOP.

Cost to maintain, \$5,246.71, of which amount \$3,028.00 was expended for labor and \$2,218.71 on stock; part of the work sent to the blacksmith and wheelwright shops was always repaired here, such as Goddard and Concord buggies, leather seats to wagons, etc., together with all the new pieces of harness made for the several divisions. The entire lot of old and new harness owned by the Sanitary Division has during the year been overhauled, repaired and oiled at this shop. Of the above amount paid out for maintaining this shop, the amounts charged to the several divisions of the department for work done were as follows:—

Paving Division	\$286 96
Sewer Division	415 24
Street Cleaning Division	430 51
Bridge Division	38 47
Street Watering Division	8 37
Central Office	29 14
County of Suffolk	38 96
	\$1,247 65

Leaving balance, \$3,999.06, as the net cost of work done for the Sanitary Division.

This shop employs four harness-makers and helpers.

HORSESHOEING SHOP.

Cost to maintain during the past year \$6,052.18, of which amount \$4,421.96 was expended for labor, and \$1,630.22 for stock. All of the horses at the South yard, together with the Street Cleaning Division horses stabled there, as also some of the horses located in the different stables of this Division, and of other divisions of this department, are shod at this shop, and for which the several divisions were charged the following amounts:—

Paving Division	\$195 71
Sewer Division	442 68
Street Cleaning Division	1,541 55
Street Watering Division	1 60
Central Office	13 75
County of Suffolk	48 75
	\$2,244 04

Leaving balance of \$3,808.14 as cost to the Sanitary Division for this class of work.

These shops employ six horseshoers and helpers.

Cost of Horseshoeing.

						Division Shops.	Outside Shops.
Stock	.	.	.	.	.	\$1,630 22	
Labor	.	.	.	.	.	4,421 96	
						<u>\$6,052 18</u>	\$2,412 37

KINDS AND STYLE.	DIVISIONS.						TOTAL.
	Sanitary.	Street Cleaning.	Sewer.	Paving.	Central Office.	County of Suffolk.	
New shoes	6,528	3,009	1,148	354	63	139	11,241
Bar shoes	146	79	12	9	.....	.....	246
Resets	466	179	91	45	2	2	785
Leathers	1,415	727	233	112	6	40	2,533

Average cost per shoe, 45 cents.

Table showing the Number and Variety of Vehicles, etc., Belonging to the Several Divisions of the Street Department on which Repairs were made at the Shops by the Mechanics of the Sanitary Division.

From Jan. 24, 1886, to Jan. 23, 1897.

DIVISIONS.	Carts.	Half Moon and Iron Carts.	Market Wagons.	Street Watering Carts.	Offal Wagons.	Goddard Buggies.	Box Buggies.	Concord Buggies.	Express Wagons.	Two Seated Wagons.	Two Horse Cess-pool Wagons.	Two Wheel Stone Trucks.	Sweeping Machines.	Prison Vans.	Chutes for Scows.	Jiggers.	Sticks.	Sleighs.	Double Runner Pumps.	Tubs for Push Cart Patrol.	Signs Painted.
Sanitary.....	370	2	10	10	168	10	7	28	1	1	1	.....	.....	.....	4	4	47	8	1	.....	2
Street Cleaning.....	27	.....	.....	8	.....	.....	.....	6	1	.....	.....	.....	15	.....	.....	.....	.....	1	.....	150	.....
Sewer.....	1	12	.....	.....	.....	11	6	17	10	.....	3	.....	.....	.....	.....	.....	.....	7	3	.....	18
Street Watering.....	.....	.....	.....	14	.....	.....	.....	2	.....	.....	.....	4	.....	.....	.....	3	.....	4	2	.....	1,170
Paving.....	25	.....	.....	.....	.....	6	2	17	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridge.....	.....	.....	.....	.....	.....	.....	.....	10	7	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Central Office.....	.....	.....	.....	.....	.....	8	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
County of Suffolk.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	3	47	21	6	150	1,190
Totals.....	423	14	10	22	168	35	18	80	24	1	3	4	15	4	4	3	47	21	6	150	1,190

Table showing the Number of Articles and the Variety of Work Performed for the Several Divisions of the Street Department at the Harness Shop of the Sanitary Division.

	Sanitary Division.	Street Clean- ing Division.	Paving Division.	Sewer Division.	Bridge Division.	Street Water- ing Division.	Central Office.	County of Suffolk.
Harness and parts of har- ness repaired.....	450	153	12	73	....	4	6	3
New parts of harness made,	365	67	2	14	2	2	2	3
New harness made.....	1							
Concord buggies repaired..	17	2	14	13	4			
Goddard buggies repaired..	12	.....	4	5	.....		4	
Box buggies repaired.....	7	.....	3	5	.....		2	
Express wagons repaired...	1	1	4	3	1			
Water carts repaired.....	.....	9	2	.....		1		
Sleighs repaired.....	6	1	4	7	.....		1	
Pungs repaired.....	1	.....	1	3				
Horses numbered.....	223	99	109	96	11	1		
Saddle pads made.....	75	7						
Collar pads made.....	13	2	.....	4				
Sweat collars made.....	34	2						
Poultice boots made.....	8							
Interfering boots made....	2							
Muzzles made.....	1							
Carpet blankets made.....	40							
Blacksmiths' aprons made,	2							
Buffalo robes repaired.....	5	.....		3	.....		1	
Prison wagons repaired...	.....	.....	.....	.....	.....	.....	.....	2
Covers oiled.....	.....	.....	.....	.....	.....	.....	.....	4
Carriage washers cut.....	.....	.....	18	20	12			
Whips repaired.....	.....	.....	.....	4	.....		1	
Calking boots made.....	2	.....	.....	.....	.....		4	
Two-seated democrat re- paired.....	2	.....	.....	.....	.....			
Cushions for office chairs..	5	.....	.....	2				
New strings of bells made..	136							
Shoe-boil boots made.....	3							
New halters made.....	20							
Rubber boots for Concord wagon.....	2	.....	1					
New leather hose made.....	.....	2						
Cushions for water carts, etc.	.....	9						
Blankets repaired and shades covered.....	1	6	.....	14				
Cover for scow cabin.....	1							
Hooks for paint shop cov- ered.....	4							

NUMBER OF SIGNS PAINTED AND DELIVERED SINCE JAN. 22, 1896.

375	Black and Gold,	Street and Ward.
4	" "	White, Street and Ward (sanded).
405	" "	Gold, Street.
38	" "	White, Street.
6	" "	Gold, Street Double Face.
20	" "	Electric (Shaw's Patent).
25	" "	Private Way.
198	" "	White, Private Way.
94	" "	No Passing Through.
6	" "	No Dumping Allowed.
2	" "	Large Speedway.
1	" "	Bridge Closed.
4	" "	This is not a Public Dump. Police Take Notice (sanded).
3	" "	No Admittance Except on Business.
1	" "	Gold, Swett street to South Boston.
1	" "	Massachusetts avenue to Dorchester.
2	" "	Marlboro street. No Heavy Teaming Allowed through Here.
1	" "	Large Yard or District.
2	" "	No Dumping Allowed Here.
1	" "	No Dumping Allowed. (Sanitary.)
1	" "	Large Yard or District.

 1,190

Table showing the Amounts Paid for the Different Kinds and Character of Work Performed by the Sanitary Division by the several Other Divisions of the Street Department and Others.

	Paving Division.	Sewer Division.	Street Cleaning Division.	Bridge Division.	Street Watering Division.	Ferry Division.	Central Office.	County of Suffolk.	City Engineer.	Totals.
Blacksmith and wheel- wright work.....	\$1,813 32	\$660 62	\$372 04	\$279 71	\$168 75	\$50 00	\$123 14	\$169 69	.....	\$3,637 27
Harness work.....	286 96	415 24	430 51	38 47	8 37	.....	29 14	38 96	.....	1,247 65
Painting.....	1,617 78	238 82	542 50	82 45	214 86	.....	52 70	140 47	.....	2,889 58
Horseshoeing.....	195 71	442 68	1,541 55	.....	1 60	.....	13 75	48 75	.....	2,344 04
Use of dumping boats.....	.....	83 70	4,794 97	.....	.....	.....	.....	.....	.....	4,878 67
Hay and grain, board of horses.....	22 44	38 46	10,210 19	.....	3 20	.....	.....	624 00	.....	10,898 29
Yard and stable, labor.....	.....	.....	3,678 61	.....	.....	.....	.....	416 00	.....	4,094 61
Fuel, lights and water at stables.....	11 22	19 23	926 41	.....	1 61	.....	.....	.....	.....	958 47
Stable stock.....	.....	.....	25 75	.....	.....	.....	.....	.....	.....	25 75
Hired teams.....	.....	.....	.....	.....	.....	.....	.....	.....	71 00	71 00
Incidentals.....	.....	.....	215 11	.....	.....	.....	.....	.....	.....	215 11
	\$3,947 43	\$1,898 75	\$22,737 64	\$400 63	\$398 39	\$50 00	\$218 73	\$1,437 87	\$71 00	\$31,160 44

Hay and Grain.

Account of Hay, Grain and Straw Fed Out and Used from Feb. 1, 1896, to Feb. 1, 1897.

YARDS.	Bales.	Bushels.	Pounds.	Total Cost.	Cost per Horse per Day.	Lbs. per Horse per Day.	Horses, Divisions: San. Street Cl.
South- yard Stable.	2,499	19,317	573,761	\$5,287 46	\$.12	13	27,608
			618,144	5,792 56	.14	14	13,614
	426	1,608	14,460	119 66	.01	2	41,222
			83,839	807 31	.01	2	Average per
			90,048	645 56	.01	2	day.
			4,935	29 61	.01	2	76
			1,890	5 78	.01	2	38
Totals.	2,925	20,925	1,387,077	\$12,687 94	\$.30	33	
West- yard Stables.	2,193	12,873	470,915	\$4,411 22	\$.17	18	14,534
			411,936	3,824 66	.14	16	11,212
	334		5,700	48 75	.03	2	25,746
			75,153	696 49	.02	2	Average per
			3,260	19 56	.01	2	day.
			800	3 00	.01	2	40
	1 bbl.			15 00	.01	2	31
Totals.	2,527	12,873	976,764	\$9,013 68	\$.35	37	

Hay and Grain.—Continued.
Account of Hay, Grain and Straw Fed Out and Used Feb. 1, 1896 to Feb. 1, 1897.

YARDS,	Bales.	Bushels.	Pounds.	Total Cost.	Cost per Horse per Day.	Lbs. per Horse per Day.	Horses. Divisions: San. Street Cl.
Highland- yard Stables.	{ Hay	1,137	258,711	\$2,396 33	\$ 131.391 ⁴ / ₅	1415629	15,555 1,808
	{ Oats	8,342 ² / ₃	266,960	2,499 43	.1417363	1517363	17,363
	{ Shorts .....	.....	6,600	54 75	.0217363	298343	Average per
	{ Straw	214	44,560	417 70	.0217363	17363	day.
	{ Corn	200	14,560	113 20	.0217363	17363	43
	{ Carrots .....	.....	3,160	18 96	.1896	31603	5
	{ Salt .....	.....	90	25	17363	17363	
	{ English Vegetable Food	1 bbl.	.....	15 00	17363	.....	
	Totals	1,351	594,641	\$5,515 62	\$ 3112303	344299	
					17363		
Charlestown- yard Stables.	{ Hay	693	159,098	\$1,465 83	\$ 17363	1917363	5,347 2,967
	{ Oats	4,250	136,000	1,348 50	.1617363	1617363	8,314
	{ Shorts .....	.....	3,700	29 47	.0217363	2947	Average per
	{ Straw	93	19,825	184 33	.0217363	2197	day,
	{ Corn .....	.....	.....	.....	.....	.....	15
	{ Carrots .....	.....	1,670	10 02	.0217363	1670	8
	{ Salt .....	.....	.....	.....	.0217363	.....	
	{ English Vegetable Food	¹ / ₂ bbl.	.....	7 50	.0217363	.....	
	Totals	786	320,293	\$3,045 65	\$ 365361	384361	
							

Hay and Grain. — Concluded.

Account of Hay, Grain and Straw Fed Out and Used from Feb. 1, 1896, to Feb. 1, 1897.

YARD.	Bales.	Bushels.	Pounds.	Total Cost.	Cost per Horse per Day.	Lbs. per Horse per Day.	Horses. Divisions: San. Street Cl.
South Boston Stable.	Hay	544	110,112	\$1,006 98	\$.20	221	4,942
	Oats .....	.....	73,920	690 25	.12	14	
	Shorts	2,310	3,060	26 41	.01	1	
	Straw	31	6,166	57 06	.01	1	Average per day. 14
	Corn .....	.....	.....	.....	.....	.....	
	Carrots .....	.....	1,550	9 30	.00	1	
	Salt .....	.....	140	70	.00	1	
Totals	4 bbl.			7 50	.00	1	3921 50 4942
	English Vegetable Food .....	.....	.....	.....	.....	.....	
Totals	575	2,310	194,888	\$1,798 20	\$.36	3921 50 4942	

Recapitulation.

MATERIAL.	Pounds.	Cost.	HORSES PER DAY.		Number of Horses Fed.
			Cost.	Fed Out, Pounds.	
Hay	1,581,597	\$14,567 82	\$14,995 54	162,029 55	Sanitary Division, 67,986
Oats	1,506,960	14,155 40	14,038 27	15,455 15	Street Cleaning Division, 29,601
Shorts	33,720	274 04	274 04	33,720 00	
Straw	229,483	2,162 89	.02 11 11	23,433 99	<u>97,587</u>
Corn	104,608	758 76	97 58 7	1,072 37	Average per day:
Carrots	14,575	87 45	87 45	1,481 57	Sanitary Division, 188
Salt	2,920	9 73	97 58 7	97 58 7	Street Cleaning Division, 82
English Vegetable Food	3 bbls.	45 00	45 00	97 58 7	<u>270</u>
Totals	3,473,863	\$32,061 09	\$32,832 57	355,831 8	

67,986 Sanitary horses (average number per day) 188 } at \$.32 $\frac{188}{188} =$ \$22,336.02
 29,601 Street Cleaning horses (average number per day) 82 }
97,587 horses (average number per day) 270
\$32,061.09

PLANT AND PROPERTY IN CHARGE OF THE SANITARY DIVISION.

South City Stables, Shops and Sheds.

Situated on Albany street, opposite Newton street. The lot belonged to the city before being used for this purpose, and contains 90,780 feet.

The stable and buildings connected therewith are brick. There are also on the premises five wooden sheds, used for storing wagons, etc. The stable is two stories high, with French roof, and has accommodations for 100 horses. Twenty-three horses are kept in sheds. Total original cost, exclusive of land, \$79,089.23.

Connected with stables are blacksmith, wheelwright, painters and harness-makers shops, in which the wagons, carts, harnesses, etc., used by the department, are constructed and kept in repair.

Offal Depot.

Erected in 1864, on the wharf fronting on Albany street, opposite Brookline street, on the other side of the dock from that used by the Paving Division. The lot which the building occupies, and the yard attached to the same contains 39,511 feet, and belonged to the city before being used for this purpose. Total original cost of building, \$18,578.89. This building is used for the deposit of house-offal daily collected in the city carts, and from which it is thence conveyed without the city limits by purchasers.

West Stable and Sheds.

The stable is a brick building, a story and a half high, 128 feet by 50, located on North Grove street, built in 1860, with suitable out-buildings attached to the same. It has accommodations for 83 horses, in stables and sheds. The lot contains about 45,152 square feet.

Highland Stable.

With accommodations for 68 horses, on the old Almshouse lot, Highland street, containing 81,082 square feet. A part of this stable and adjoining lot is used by the Paving Division. There is on this lot a brick stable, which cost \$88,594.13. On this lot is an offal-shed, erected in 1875, at a cost of \$1,160.12.

Charlestown Stable.

With accommodations for 25 horses, is situated on Rutherford avenue; lot contains 17,300 square feet of land; stable built in 1875, cost \$5,083.07; sheds and outbuildings built in 1879.

Fort Hill Wharf.

Containing 21,054 square feet, placed in charge of the Sanitary Division, used as a dumping station for the city's garbage and refuse, and as a landing place for scows, which convey this stuff to sea. There are two dumping-boats, known as the Barney dumping-scows, and these are in continual use for the above purpose, and are towed to sea by the Street Department steam tug boat "Cormorant." The tug boat is also used by the Sewer Division.

A portion of this wharf is used by the Street Cleaning Division as a locker for push patrol-carts, etc.; a part is in charge of the Paving Division, and a portion occupied by a tenant.

Gibson Street Plant.

Containing 42,000 square feet, and situated in Dorchester district, which has been used and occupied by the New England Construction Company for the treatment and disposition of offal, and which is now closed.

Number of Carts and Wagons Collecting House-dirt, Ashes, and Offal.

Offal wagons owned by the Sanitary Division	.	.	.	81	
" " in use " Thomas Mulligan, East Boston	.	.	.	6	
" " " " " David B. Morrill, Brighton	.	.	.	3	
" " " " " John McShane, Dorchester	.	.	.	10	
" " " " " George T. Barnes, West Roxbury	.	.	.	3	
					103
Ash carts owned by the Sanitary Division	.	.	.	172	
" " in use " Wm. F. Hedrington, East Boston	.	.	.	6	
" " " " " M. E. Nawn, West Roxbury	.	.	.	3	
" " " " " John McShane, Dorchester	.	.	.	8	
Market wagons owned by the Sanitary Division	.	.	.	11	
					200
					303

Capacity of Offal-Wagons.

During the fall of 1892, 24 offal-wagons were measured and contents weighed for the purpose of obtaining the capacity of wagons and the weight of offal per cart load. Their capacity averaged $3\frac{3}{4}$ cord feet, or 56.25 cubic feet, and the weight averaged 3,115 lbs. A cord equals 128 cubic feet, or 7,091 lbs. Price per cord for offal, \$4.00.

ORGANIZATION.

1 Deputy Superintendent.	5 feeders.
3 clerks.	7 messengers.
6 foremen.	6 stablemen.
1 captain of scows.	18 yardmen.
11 sub-foremen.	19 dumpers.
14 inspectors.	6 dumping-boat men.
27 mechanics.	210 ash-cart drivers and helpers.
7 tallymen or aids.	140 offal-cart drivers and helpers.
5 watchmen.	

Total, 486 employees.

APPENDIX E.

REPORT OF THE DEPUTY SUPERINTENDENT OF
THE SEWER DIVISION.

PROBATE BUILDING, 28 COURT SQUARE,
BOSTON, Feb. 1, 1897.

MR. BENJAMIN W. WELLS, *Superintendent of Streets*:

DEAR SIR: I respectfully submit report of expenses, income, and operations of the Sewer Division for the financial year ending Jan. 31, 1897; together with a statement of the present condition of the sewers and the other property in the charge of this division; the work done this year, and what should be done in the near future that the efficiency of the sewerage system of the city of Boston may be improved and maintained in proper condition.

Respectfully yours,

CHARLES R. CUTTER,
Deputy Superintendent.

The Sewer Division has charge of the following work:

1. Construction and maintenance of all sewers and catch-basins.
2. Completion and maintenance of the Main Drainage Works.
3. Construction and maintenance of the channels of Stony brook.
4. Construction and maintenance of street culverts and surface drains.
5. Preparation of plans, and the engineering and supervision required on the construction and maintenance of all work connected with the division.
6. Investigation of complaints in regard to defective sewerage and surface drainage.
7. Granting of permits for all connections to be made with the common sewers, and the custody of bonds filed by drain layers authorized to make such connections.
8. Levying of assessments on estates benefited by the construction of sewers.

ORGANIZATION.

The department is in charge of a deputy, who is also engineer of the Main Drainage Works which are connected with this division.

The engineering of this division is in charge of a chief engineer, who has supervision of the engineering and construction, and he has three assistant engineers in charge of the three divisions of the city; a chief draughtsman, a chief inspector, who has charge of the inspectors on contract and release work.

The chief engineer is held accountable for all work that comes under his supervision, all plans and estimates for new sewers and rebuilding of old sewers, and for all storm or relief sewers, surface drains, street culverts, and the connections between the common sewer and the intercepting system of the city or State.

In preparing these plans or estimates, it is often necessary to make forecasts of probable increases of population for long periods in the future, to avoid on the one hand spending an unnecessary amount of money at the present time, and on the other hand the building of sewers which will prove too small in the immediate future.

On the designing of enlarged channels for surface water, the same principles apply; a forecast of the probable development of the district has to be made for a reasonable period of time to determine the probable flood discharge, for which provision should be made, as this increases largely with the development. The duties of this division are not confined simply to actual work of construction, as the studies that are necessary for future work, or immediate work that money cannot be furnished for at present, have to be worked out in this division. It not only means a study which is different from other cities in this country, but it means a scientific adjustment of the present requirements with those of the future.

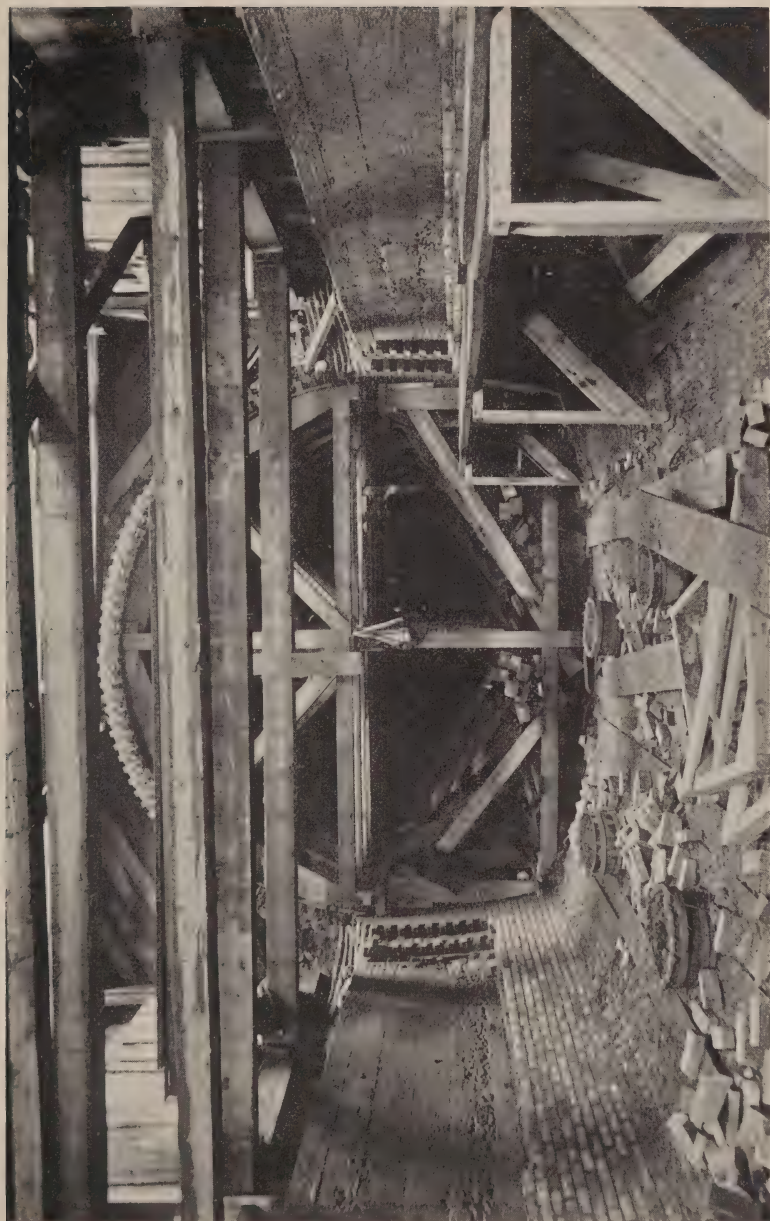
In the low parts of the city the sewers have to be designed for storage purposes during periods of high tides, as on most all the new made land parts of the city the average run of cellars is much below the possible high tides. The average tides of Boston are about grade 10, but at the same time we have to figure on the possible high tides which are apt to go to grade 14, and are known to have gone to grade 15. This makes a very complicated study, and especially in designing the connections with the interceptor, because in case of high tides or floodings the interceptor shuts off, the water discharging through the outlets to the sea.

Also in designing sewers for the new territories which are to be developed, the division does not feel that it would be wise to design large sewers that would accommodate the future indefinitely; but they are designed so that they can be used for twenty or twenty-five years, and the amount of money that would be expended between that and the largest system saved to the city. The interest on this amount would often equal the original cost of the sewer, so that it might be actually cheaper at the end of twenty-five years to destroy the sewer built, and rebuild the size required at that time.

The clerical force is in charge of a chief clerk, who has charge of the finances, making of assessments, the granting of permits, the custody of bonds filed by drain layers, and the making and filing of plans showing the connections that are made of the whole sewerage system and house connections.

The city is divided into seven districts, each district being assigned to a foreman, who has charge of all the construction and maintenance work in his district.

The Main Drainage Works consist of the main sewer from its connection with the Metropolitan system at Gainsboro' street and Huntington avenue to the pumping station at Cow Pasture, the pumping station tunnel across the bay, the tunnel and its connection with the reservoirs at Moon Island, the reservoirs and outfall at this place, together with the regulators, connections, and branch interceptors of the common sewers with this system.



STONY BROOK CONDUIT, COLUMBUS AVENUE.

The care and maintenance of this system is in charge of three foremen, one of whom has charge of the pumping station and work at Cow Pasture, one has charge of the reservoirs and outfalls at Moon Island, and one has charge of the main drain, the gates and connections on the main drain and the interceptors; also of the regulators and connections in East Boston and Charlestown with the North Metropolitan system.

The workings of the Main Drainage System have been under discussion for the last year, as can be seen by the Superintendent's report. The history of the Main Drainage will be found later on in this report.

There is also connected with this division the tow boat "Cormorant," which is used for the towing of sludge from the pumping station at Cow Pasture. When not employed in this work, it does the towing of garbage scows for the Sanitary Division.

Stony brook is in charge of a foreman who looks after the maintenance of the brook. During the present year, during the reconstruction of the channels of Stony brook, we have a separate force under a resident engineer.

There are at present about eight hundred (800) men employed in the Sewer Division. The work of this division for the last year has been very extensive, more men being employed, and more money expended for the construction of sewers than in any previous year in the history of the division.

Owing to the growth of the city, especially the suburban districts, the work of this division has increased rapidly in the last few years, and the demands on the division are more and more; but notwithstanding this it is impossible to obtain the money necessary for the proper maintenance of the division. The City Council does not furnish this division with the proportionate increase of appropriation for maintaining the ever-increasing mileage of sewers; and if the City Council is not able to furnish the necessary money to maintain, clean and flush the sewers and clean the catch-basins, the only remedy is to make the division a self supporting one, provide it with an income, and put it on the same basis as the Water Department.

The following table shows the maintenance appropriation of this division for the past five (5) years:

1892	.	.	.	.	.	.	.	\$350,000 00
1893	.	.	.	.	.	.	.	350,000 00
1894	.	.	.	.	.	.	.	320,000 00
1895	.	.	.	.	.	.	.	300,000 00
1896	.	.	.	.	.	.	.	280,000 00

Some of the difficulties and problems considered by this division are the following: There is a great deal of trouble in this division on account of sewer assessments, as it is very hard to convince an abutter, who happens to have a trunk sewer constructed in front of his house, and is assessed at perhaps \$2 or \$2.50 per front foot, and receives only the benefit of sewerage for a couple of persons, that there is anything equitable in assessing the estate at this rate, when another abutter on a side street where only a pipe sewer is built, is only assessed perhaps \$1.15 or \$1.25 per front foot, and yet furnished with drainage for ten or a dozen persons. This is a hard problem to solve, but the city of Boston in the last fifty years

has tried all conceivable laws for assessment, both by area and front foot, yet none have been found to be satisfactory.

The question of surface drainage in the outlying districts: The surface drainage of Boston is in such a condition, in the outlying districts, especially, that it became a problem for extensive study during the past year. This subject will be discussed later on.

The need of proper ventilation of the sewers. An article on this subject will be found later on.

The legal grade of cellars: The building laws of the city of Boston give a man the right to build his cellar at grade 12, when the tide frequently rises above this. No cellar should be built in Boston lower than grade 14.

The grade of sewers in the residential portions of the city: The sewers are hardly ever built lower than eight or nine feet from the surface of the street. This will furnish all proper drainage for the common run of cellars; but as the residential portions of the city change to the business portion, the cellars are put in deeper, and there is no law to stop it, and then the parties apply for a low-grade sewer. In reconstructing these sewers to fit the low grade, generally twenty or thirty estates are passed, and the parties receiving no actual benefit are assessed, and they generally object to paying for the benefit of some individual above them. I think there should be a law fixing the legal depth of cellars below the grade of the street in front of the premises, and when cellars are put in at a greater depth than that prescribed by law, and the sewer is rebuilt to accommodate these low cellars, it should be paid for by the parties benefited.

The work that is done by drain-layers: The aim of this division has been to build tight sewers for house drainage, so as to prevent ground water from finding its way into the sewer system and increasing the volume of pumpage; generally these sewers run in the centre of the street. A party applies for a house-connection which may be anywhere from twenty to forty feet in length. The house-connection is put in by a drain-layer, over whom this division has no control except in making the connection where it joins the sewer. Of course, everybody is anxious to put it in as cheaply as possible, and in doing this they are very apt to put in a leaky connection. I think that this division ought to make all connections up to the house, charging the individual for so doing.

In connection with the above, we should have the right to compel stables, factories, or other parties that use a sewer, and use material and matter that is detrimental to the sewers, to put in catch-basins or settling-tanks to settle this débris before it enters our sewers.

This division should have the right to have inspectors enter buildings and inspect the quality of the sewage that they discharge into our sewers.

During the last year the City Council authorized a number of loans for sewer construction, thereby enabling this division to proceed with work that had been contemplated for a long time as follows: The starting of the Canal-street sewer system, which is going to relieve the North End; the Shamrock-street outlets, which will relieve the interceptor at this point and prevent the flooding of cellars in this neighborhood.

The large outlet which discharges into the South bay, known as the B and Seventh-streets outlet, and is the beginning of the relief



STONY BROOK CONDUIT—SHOWING ROCK EXCAVATION NEAR
HOG BRIDGE.

for the sewer system of the lower end of South Boston. In conjunction with this it will be necessary for the government to provide money to extend this system up Dorchester avenue, from B to Dorchester streets. This, with the building of the sewers in D, Dorr, Dexter, and Ellery streets, will furnish relief for this neighborhood; the Guild row relief sewer and the rebuilding of the Dorchester brook from Norfolk avenue to George street.

The pumping-plant, known as the Lyons-street pumping station, is now in working order. This furnishes relief for what is known as the Lauriat-avenue and Forest-avenue system of sewers, and it enables the people in this district to get proper drainage.

Connections with the Metropolitan system in Charlestown and East Boston.

The overflow on Congress street, from Atlantic avenue to the Fort Point channel, has been constructed to take the place of the old Pearl-street overflow, which was cut off by the filling in of Russia wharf dock.

SOUTH BOSTON.

The rebuilding of the B and Seventh-streets overflow outlet, now about two-thirds completed, will afford relief to the sewers in a large part of Wards 13 and 14, which, on account of the insufficient size of the outlet, were flooded at every heavy storm. Many of the sewers in the area drained by this outlet are, however, in very poor condition, or of too small size; and those in the following streets should be rebuilt as soon as money can be provided: —

B steet, between Dorchester avenue and Fourth street.

Gold street, between B and C streets.

Gold street, between C and D streets.

Silver street, between C and D streets.

Silver street, between B and C streets.

Silver street, between Dorchester and G streets.

West Fourth street, between C and E streets.

West Fifth street, between B and F streets.

West Sixth street, between B and D streets.

West Seventh street, between B and D streets.

West Eighth street, between D and E streets.

The sewers in the following streets are also in very poor condition, and liable to cause trouble at any time: —

Athens street, between E and Dorchester streets.

Bolton street, between B and D streets.

Bolton street, between D and E streets.

Bolton street, between E and Dorchester streets.

Dove street, between F and Dorchester streets.

D street, between Second street and Broadway.

East Fourth street, between Dorchester and E streets.

East Fourth street, between O and P streets.

East Second street, between K and L streets.

East Fifth street, between H and K streets.

Jenkins street.

A sewer is needed in Dorchester avenue, between B and D streets, and the sewer in Dorchester avenue between D and Dorchester

streets should be rebuilt. This will enable the overflow from D street, and from all sewers draining into Dorchester avenue, north of Dorchester street, to discharge by means of the B and Seventh streets overflow, which was designed large enough for that purpose.

The D-street sewer, which is now in very poor condition between Dorchester avenue and Eighth street, can then be rebuilt in such a manner as to do away with the flooding of the street under the Old Colony Railroad, which occurs whenever heavy rain falls at high tide.

The sewers in Dexter and Ellery streets are in a ruinous state. Complaints are constantly received regarding the condition of these sewers, which have settled and become so distorted that the cleaning rods cannot be pushed through from one manhole to the next. In its present condition the sewer is nothing but an elongated cess-pool. Temporary relief can be obtained by a frequent flushing, but not until the completion of the sewer in Dorchester avenue above mentioned, can any permanent relief be obtained.

The sewer in Mercer street should be rebuilt of a larger size, and thus prevent the flooding of cellars in that locality.

A sewer is badly needed in Dorr street to do away with the nuisance existing in that neighborhood.

The Kemp-street outlet is almost useless in its present state; the arch and side walls having fallen in for several hundred feet. The entire structure should be rebuilt at once, of sufficient size to serve as an overflow for the South Boston Interceptor, which has no proper overflow when the regulator at the main sewer is closed.

It is a question whether it is advisable to build this overflow large enough to act as an outlet for the Dorchester brook sewer, when it becomes necessary to extend the latter, but with our present knowledge of the extent to which South bay will be filled in, it seems at this time unwise to expend the extra amount necessary to make the Kemp-street outlet answer this purpose.

There are many sewers in South Boston where the manholes are so far apart that the cleaning rods cannot reach the entire distance between them; also many cases where there is no manhole at the upper end of the sewer, and therefore no means of flushing in a satisfactory manner. Money should be provided to remedy these defects.

Work done during the year.

Two thousand eight hundred and ninety-eight (2,898) linear feet of sewers were built by the city by day labor; nine hundred and seventy-nine (979) linear feet were built by private parties and released to the city.

EAST BOSTON.

The work of connecting sewers in this district with the Metropolitan sewer system was begun last August, and is being carried on with all possible despatch. The original estimate for the connections with this system was forty-seven thousand dollars (\$47,000), twenty-three thousand dollars (\$23,000) of which were provided last year. It will be necessary for the City Council to authorize the other twenty-four thousand dollars (\$24,000), so that this work can be carried on with despatch and finished this summer.



KEMP-STREET OUTLET.

The house sewage system of East Boston depends wholly on the Metropolitan sewer system for outlets, and in designing the intercepting system the necessary branches to make the connections with the different drainage areas and their interceptors were not in all cases put in, and there are a number of areas for which, as yet, no provisions have been made.

I wish to call your attention to a few of the defects of the present system.

The interceptor on the west side of East Boston was built at an unnecessarily high elevation, its end at Condor and Meridian streets being at grade 13.2, and as the abutters had a right to build their cellars at grade 12, the existing houses on Meridian street, between Condor street and Chelsea bridge, cannot be drained in a satisfactory manner.

No intercepting sewer has been built by the Metropolitan Sewerage Commission to take the outlets at Eagle square and Glendon and Putnam streets, bordering on Chelsea creek. This ought to be constructed immediately for the relief of this district.

On the south side of the island is a considerable area sewered on the combined system, and draining through the Moore-street outlet. No means have been provided by the Metropolitan Sewerage Commission for dealing with the sewage from this area. Money should be provided for building this system of sewers immediately.

The Act under which the Metropolitan Sewerage Commission was created, namely, chapter 439 of the Acts of 1889, states in sect. 3: "Said Board shall construct . . . which systems shall be in substantial accordance with the plans reported and recommended by the State Board of Health in its report to the Legislature of 1889." In the report alluded to, which is Senate Document No. 2, it is stated on page 105 that "Breed's Island and the portions of East Boston north-east of Swift street now have no sewers except in Moore street and a street crossing it. In the whole of this territory it is proposed to exclude storm water from the sewers."

This statement was correct as far as Breed's Island was concerned, but the area drained by Moore-street outlet had at the time this report was made about five thousand (5,000) linear feet of sewers, or about one-third the total amount it will contain when the area is fully developed.

These sewers were all designed on the combined system, and since 1889 all extensions have been made on the same plan. There seems to be no good reason for changing to the separate system, and yet with this area practically under the combined system at the time the Metropolitan Sewerage Commission designed their sewers, they now inform us that we must have separate drainage for our surface water, and that we cannot drain even roof water into their sewers. It seems as though the city and the Commonwealth ought to revise these statements, and compel the Metropolitan Sewerage Commission to provide a branch interceptor for the present system of this district, and all future construction should be on the separate system.

At Orient Heights there is an area of about 300 acres of low-lying territory, to drain which it will be necessary to build a low-level sewer, from twenty to thirty feet deep, and about one and one-half miles in length, extending back to the East Boston pumping station of the Metropolitan sewerage system at Chelsea and Addison streets. This should have been built by the Metropolitan Sewerage Commis-

sion at the time of construction of the main sewer, and they ought to be compelled to build this immediately, so that we could enjoy the benefits of connection with this portion of the Metropolitan system for which we are paying at the present time, or we should receive an abatement on account of not receiving any service for this portion of East Boston. Numerous petitions have been received during the year for sewers in this district, which cannot be built until this low-level sewer is constructed.

At the present time the amount of money paid by the city to the State for pumping the sewage on the North Metropolitan system, is based on population for the maintenance item, and on valuation for the item representing interest and sinking fund; and as we are paying our proportionate part for the whole of East Boston on this basis, you can see by the above statements that we are not being used in a fair manner, as the Metropolitan Sewerage Commission has failed to provide us with the necessary outlets to drain this territory.

The following sewer outlets, which are now in a very dilapidated condition, should be rebuilt. They will be used for storm-water overflows, when the areas which they now drain are connected with the Metropolitan sewer: Jeffries street, Sumner street, Putnam street and Porter street. Outlet at Dock 13 should be extended about four hundred and fifty feet.

The Porter-street outlet is in a particularly bad state, and as the open space between the B., R. B. & L. R.R. and the sea wall, about two hundred feet south-westerly, is being filled in, the overflow from this outlet in time of storm will be retained in the basin, formed by the railroad, Wood Island Park, Bremen and Maverick streets. The outlet should be extended to the open water beyond the sea wall.

The time is not far distant when it will be necessary to take some action regarding the drainage of the land owned by the East Boston Company, between Bremen street and the B., R. B. & L. R. R. Company. Streets have been built on this tract for some years and several houses have been erected. Considerable study has been given to developing a proper system of drainage for this tract, and a well-considered scheme has been evolved.

In view of the fact that a large amount of water will be encountered in building these sewers, it would be to the advantage of the city to build them, and assess the cost on the owners of the land rather than to have them built by the owners and released to the city.

A sewer should be built in Chelsea street, between Curtis street and the bridge. This will afford an opportunity to drain Pope, Chaucer and Curtis streets, which are badly in need of sewers. Sewers are also needed in Wordsworth street, between Saratoga and Pope streets, and in Ashley avenue, between Bennington and Breed streets.

Work done during 1896.

Connections have been made with the Metropolitan sewerage system at Meridian street, near Condor, Bremen street, near Porter, and Border street, near Decatur. Twenty-nine hundred and ninety-seven (2,997) linear feet of sewers were built by the city by contract and day labor.

CHARLESTOWN.

The work of connecting the city sewers with the Metropolitan sewerage system has been begun, and is being carried on as rapidly as possible. In order to complete this work during the coming year, nineteen thousand dollars (\$19,000) will be required in addition to the amount now on hand.

The Beacham-street district, bounded by Main and Alford streets, Mystic river and the city of Somerville, should be connected with the Metropolitan sewer system. The existing sewers in this district can be used for storm-water outlets; and pipe sewers, to carry house drainage only, should be laid to connect with the Metropolitan system. About six thousand (6,000) feet of pipe sewers will be required for this; and in those streets where there are at present no sewers, about three thousand (3,000) feet of surface drain will be needed.

Complaints are made every year regarding the backing up of sewage in the Cambridge-street sewer. This is due partly to the small size and flat gradient of the sewer itself and partly to the insufficient size of the outlet in Beach street. The outlet should be built of proper size, and also the sewer as far as the junction of Perkins and Kingston streets.

The sewer in Rutherford avenue, between Dunstable and Beacham streets, is in a very defective state, and requires rebuilding.

During every heavy storm the sewers in the vicinity of Tibbetts townway and Rutherford avenue have given trouble. This is caused by the fact that the Rutherford-avenue outlet is too small, and the sewers in Tibbetts townway and adjacent streets are not only too small but are in a tumble-down condition. The trouble can be partially remedied by rebuilding the sewers in Tibbetts townway, Lyndeboro' and Middlesex streets, and a part of Essex street. A complete removal of the trouble will necessitate building a large storm-water outlet, parallel with the present Rutherford-avenue outlet. Estimates of cost for this have been prepared.

There are at present some twenty (20) streets in Charlestown which contain about eight thousand (8,000) feet of slate, wood and brick sewers. These were built many years before the annexation of Charlestown and are of a type long since condemned by experts in sewer design. Money should be provided for replacing these with pipe or brick sewers as may be required.

Work done during 1896.

One thousand and thirty (1,030) linear feet of sewers have been built by the city, and the connections with the Metropolitan system have been made at Alford street and at Chelsea near Vine street, all by day labor.

BRIGHTON.

Sewers have been called for in the tract owned by the Westminster Land Company, south of Union street and east of Chestnut Hill avenue. These streets will drain partly into Commonwealth avenue, at points where at present there are no sewers or surface drains and where the avenue has not yet been constructed to more than one-half its full width. The remainder will drain into Chestnut Hill avenue. This latter part presents some features for consideration.

If we build sewers on the combined system we carry into the existing sewers in time of storm, an amount of water which they are totally unable to carry on account of their insufficient size. If we build on a separate system, connecting the surface drains with the brook, which rises near Union street, we meet with a similar difficulty, since the brook itself is taken into the sewer in Shepard street. The remedy for the latter evil is discussed in another part of this report.

Sewers should be built during the coming season in the streets laid out by the Aberdeen Land Company, between Commonwealth avenue and the town of Brookline. As these drain into a part of the town of Brookline, where the sewers are on a separate system, it will be necessary to design our sewers on the same plan.

Two brooks flow through this territory, which have for part of their lengths been taken into covered channels, and can be used as outlets for the surface water system.

As mentioned in previous reports, a sewer should be built from Buffalo street to Everett street to take the drainage of the stock yards into the Everett street sewer, instead of allowing it to enter the brook as at present.

Work done during 1896.

The sewers and surface drains for the Commonwealth-avenue boulevard have been completed, and the outlet to Lake street is under contract.

House sewers and surface drains have been built in North Harvard street, between the Metropolitan sewer system and the Charles river, and in Holmes avenue, between Harvard avenue and Warren street.

Twenty-two thousand four hundred and sixty-six (22,466) linear feet of sewers and surface drains have been built by the city under contract or by day labor. Two thousand and sixty-nine (2,069) linear feet have been built by private parties.

WEST ROXBURY.

The West Roxbury low level sewer will be completed to Boylston station during the coming year. Estimates have been made for extending it from that point as far as the Hyde Park line. This extension is very necessary in order to obtain drainage for a number of streets which are at too low a grade to be accommodated in any other manner.

Sewers are very much needed in the following streets in the Mt. Hope district: Florence, Sycamore, Brook, Sherwood, Ridge and Garden streets and Prospect and Brown avenues. The outlet for these will be through a projected street into the Washington-street sewer, near the junction of South and Washington streets. These sewers are designed on the separate system; the surface water to be taken into the brooks in the vicinity.

The Neponset valley intercepting sewer now being constructed by the Metropolitan Sewerage Commission will be nearly, or quite completed during the coming season, and will afford an outlet for the drainage of about sixteen hundred (1,600) acres, lying south of the city of Newton and east of Charles river. As the Neponset valley

sewer is designed to carry only house sewage and will have no overflows it will be necessary to design, on a separate system, all sewers draining into it; and all storm water must be rigidly excluded. This can be easily accomplished, as no sewers are yet built in this area.

As the East Boston and West Roxbury low level sewers will be built with the idea of excluding storm water altogether, an ordinance should be passed, forbidding under heavy penalties, all house owners from entering roof water into the house drains or sewers, and ordering all roof water to be entered into the surface drains. It will of course be necessary for the city to provide surface drains throughout the whole length of the streets for this purpose.

A system of sewers should be begun during the coming season in that part of the district in the neighborhood of Spring street, as a considerable quantity of sewage at present flows into the Spring-street brook, and thence finds its way to Charles river, entering above the points where several cities and towns obtain their water supply.

A system of surface drains will very soon be required for Hewlett and Arundel streets and the vicinity.

Bordering on Hyde Park and bounded on the west by Stony brook reservation, is a tract of about three hundred and sixty (360) acres which drains naturally into Hyde Park.

In the studies made by the Metropolitan Sewerage Commission it was intended; to drain about half this area into what is called the Clarendon Hills branch of the Metropolitan system. No provision was made for the remainder; but to drain it in any other way than by means of this branch would put the city of Boston to large unnecessary expense.

A conference was held in January between the Deputy Superintendent of the Sewer Division, the Metropolitan Sewerage Commissioners and the chairman of the Hyde Park Sewer Commission regarding the advisability of building this branch at an early date; but no definite agreement was made. It appears to be the intention of the Metropolitan Sewerage Commission to leave this branch to be built by the town of Hyde Park, and as that part of the town is not developed to any great extent there will be no necessity to build a sewer there for some time to come. As, however, the area lying in Boston is partially developed, and has one school-house, accommodating some 500 scholars, it would seem that means for connecting with the Metropolitan system should be provided by the building of this branch under the supervision of the Metropolitan Sewerage Commission; otherwise, if the area is not drained until the building of this branch is necessitated by the requirements of Hyde Park or until the high level sewer, so called, is built, the residents of this part of West Roxbury cannot have proper drainage for a period of at least four years, and probably more.

Work done during 1896.

Fifteen thousand nine hundred and thirty-six (15,936) linear feet of sewers, surface drains and culverts were built by the city by contract and day labor, and ten thousand two hundred and forty-two (10,242) linear feet of sewers and surface drains were built by private parties and released to the city.

DORCHESTER.

In discussing the drainage of Dorchester there are several considerations to be taken into account, both of the natural formation of the territory, and of the history of the work that has been already done.

As regards the natural formation of the territory, the district is now made up of valleys, gently rising from the surface of Dorchester bay and the Neponset river, for a large part of the way and at the upper end rising more abruptly to the dividing ridges eighty and one hundred feet above tide water.

The western third of the district, however, is peculiar in this respect, in that it forms the head waters of a branch of Stony brook, draining naturally in a westerly direction by Forest Hills and Jamaica Plain to Old Roxbury and the Back Bay.

The ground on these head waters of Stony brook is swampy, and about fifty feet above tide water. Owing to the great distance to be traversed in following down the natural but sluggish slope of Stony brook, and owing to the fact that the territory to be traversed in that direction is almost unsettled, and not calling for any drainage at present, it becomes almost necessary to carry the drainage of both house and surface water easterly through the dividing ridge into Dorchester bay.

As to the history of what has been already done :

When Dorchester was annexed, twenty-five years ago, it was practically entirely destitute of any system of sewerage, although parts of it were as thickly settled and as long inhabited, as were many parts of the older Boston (including Roxbury), which had been seweraged for a generation or more.

With the small appropriations available for a remote suburb, it became necessary to spread comparatively little money over a large area. Probably the only solution practicable was the one of building a combined system of sewers, capable, in addition to the house sewage, of taking a considerable amount of storm water, say perhaps on an average not far from one-tenth of the expected rainfall.

This system worked very well in the infancy of things, and has continued to work fairly well in most places up to the present time. But the growth of this suburb has been so rapid of late years, the number of new streets laid out so large, and the standard of street comfort held by the average citizens so much elevated, that it is evident that such a system cannot be continued indefinitely in the future; in fact, that the time has already come in many places when a change must be made.

Each suburb now vies with its neighbor for the cleanest and smoothest streets, and the quickest removal of surface water during storms. The number of catch-basins has greatly increased; and while this does not mean that more rain will fall on a given territory than before, it means that more of it must find its way to the sewers, when formerly it spread itself over unsettled territory and vacant lots.

To illustrate how inadequate the old sewers in Dorchester must be to carry off all the storm water (an inadequacy which they share generally with combined sewers as built in most cities and towns of this and other countries) I will give a few specimen figures as to the probable rainfall to be expected in several localities in Dorchester, and also of the amounts capable of being handled by the existing combined sewers.

DORCHESTER.

NAME OF SEWER.	Demand at 1-3 inch Rainfall cubic feet per sec.	Demand at 2-3 inch Rainfall cubic feet per sec.	Demand at 1-inch Rainfall cubic feet per sec.	Present Capacity cubic feet per sec.
<i>Crescent-avenue Sewer.</i>				
Spring Garden street			57	11
Improved sewer			60	10
<i>Pleasant Street, Glover's Corner, and Hancock-street Sewer.</i>				
Dorchester avenue, at Creek street...			75	37
Dorchester avenue, where it empties..			216	49
<i>Shamrock-street Sewer.</i>				
Dorchester avenue, at Linden street ..			24	6
Adams street, at Dorchester avenue ..			39	23
Dorchester ave., at Shamrock street ..			48	31
<i>Talbot-avenue Sewer and Outlet.</i>				
Blue Hill avenue	97	193	290	31
Bernard street ¹	108	216	324	20
Washington street	292	584	876	25
<i>Centre-street Sewer.</i>				
Shawmut Branch Railroad	317	633	950	41
Centre street, at Dorchester avenue...	330	660	990	15
Dorchester avenue, at Centre street. ..	331	662	994	47
Dorchester avenue, at Dix street	338	676	1,014	59
Dorchester avenue and Gibson street..	416	832	1,248	30
Gibson street, at Adams street	476	952	1,428	34
Adams street, at Park street.	476	952	1,428	30
Park street, at Clayton street	478	956	1,434	30
Clayton street, at Greenwich place....	493	986	1,479	30
<i>Neponset-avenue Sewer.</i>				
Neponset avenue, cor. Taylor street ...	16	32	48	17
<i>Granite-avenue Sewer.</i>				
Minot street	147	294	441	15
Milton branch	156	312	468	25

It will be seen from these figures that the limit of availability of the existing sewers for storm water would be very soon reached, if indeed it has not already in many cases been exceeded.

¹ Below Washington street the areas include the whole of that part of the Stony-brook valley draining into Talbot avenue.

There would be practically two remedies for this state of things. One would be to rebuild, at an immense increase of size, and at great inconvenience, the present combined system; making it large enough to take all the storm water of the future.

There are many reasons why this cannot well be done.

One is that the cellars or the private drains from them are generally quite near the level of the existing sewers; consequently, if the size of the sewers was to be doubled or quadrupled, or even more, the new sewer would have to be sunk entirely below the level of the old one in order to avoid flooding the cellars. This would very much increase the expense.

Another is the general inconvenience to, and partial interruption of, the old house service, while rebuilding it anew.

A third is (now that all house sewage is intercepted and pumped out to Moon Island) the increased difficulty of separating the storm water and house sewage in time of flood, leading to pollution at the overflows, even with costly and cumbrous appliances for its attempted prevention.

For these, and many other reasons of a professional nature, it is considered impracticable to enlarge the present combined systems for the wants of the future; and recourse must be had to a separate system of storm sewers, or as they may be better called, surface drains.

It will be seen from the preceding table that the existing sewers will accommodate but a relatively small percentage of the surface water; probably generally not more than five per cent to fifty per cent, or an average of twenty-five per cent.

The capacity of the existing sewers can of course be very closely calculated by well approved methods; for the purpose of this report, however, they have been hastily taken at an approximate value.

The amounts of storm water coming from each district, on the other hand, can never be absolutely calculated in advance. It may be known how many inches of rain have fallen on a given territory in the largest storm of which we have any record; but this division can never be sure that it would not be exceeded by some future storm. The exceptional "great" storms which do such great damage occur twice or three times in a century.

Even if this division was sure of the maximum future amount of rainfall there would be no means of absolutely deciding how much of this will reach the mouth of a sewer or surface drain in any given time; this depending on the slope, roughness, and other qualities of the ground. Various observations have been taken to try and determine the effect of these various factors; the conclusions reached by the Swiss engineer, Bourkli-Zeigler, have met with wide acceptance. His estimate of the percentage of rainfall reaching any one point at one time varies from ninety-five per cent on small tracts of a few acres, with a sharp slope, to ten per cent on level tracts of several square miles. His estimates for tracts of medium size and slope, such as we find in Dorchester, would vary from thirty to sixty per cent, usually we might say about fifty per cent.

As the rainfall for short periods is at the rate of as much as from two to three inches an hour, it does not seem extravagant to use an inch of rain per acre per hour as the maximum for computing the sizes of surface drains.

It happens, curiously enough, that one inch of rainfall per hour gives almost exactly one cubic foot per second per acre, which is the maximum used in the foregoing table.

It would seem, therefore, that beside the advantage of cutting off all the sewage from the shores of the harbor, which now runs on to them during storms, that we must inevitably be driven to the use of surface drains for the water from the catch-basins, because the existing combined sewers are only adequate to take one-tenth, one-fifth, or one-half of it, as the case may be.

It has always been considered a part of the scheme for intercepting the sewers of Boston that a "high-level" sewer would be built, which would intercept the sewage from the high streets in the interior of the suburbs, and carry it direct by gravity to Moon Island, without the expense of pumping it up.

The engineers of the Metropolitan Sewerage Commission have made a study for such a sewer for Dorchester, which would include about 950 acres of the west part of Dorchester, or about one-third of the whole district.

Of course, it would be essential to the working of such a sewer (the size of which must be quite limited) that the house-sewage must be separated from the rain-water. This separation would be physically possible by means of overflows into the brooks, but in order to avoid all possibility of nuisance, it would seem to be better that a new set of surface drains should be made, to take the water from any catch-basins that now go into the combined sewers, and that all new sewers within this high-level district should be built on the separate principle.

The system, then, which is looked forward to for Dorchester is a separate system of surface drains, large enough to take all of the storm-water that experience and theory combined lead us to expect from the areas they serve. The existing sewers to be retained for house-sewage, and also for such moderate quantities of storm-water as they can easily carry, and will serve to keep them clean.

All new sewers for house drainage in this way will be constructed of small pipes, usually of ten, twelve, or fifteen inches in diameter. The surface drains would often have to be of brick or concrete, often ranging from two to five feet in diameter, and even larger in exceptional cases, and near tide water.

The surface drainage problem for Dorchester will be found fully discussed in the article on Surface Drainage.

The subject of new house sewers for immediate use in Dorchester is a very complicated one. The district has grown so rapidly that the division has not been able to furnish the amount of sewers that have been called for, so that the vicious system of allowing the abutter to build release sewers has been carried on to quite an extent in this district. This, in my opinion, is a bad system, which will be discussed later on.

To take up some cases where house sewers are required, in geographical order from north to south, the first case is an outlet from Wesley and Savin Hill avenues on the north side of Savin Hill. This has been petitioned for for several years, and is much needed to remedy unsanitary conditions, and to complete the drainage of that whole district, which is otherwise well supplied.

Another case of house sewers needed at the present moment is that of those in what is called the Forest-avenue district; in streets which

have been long settled, and suffering for want of sewers, but which it has only been possible to sewer properly since the completion of the Lyons-street pumping station. These streets, embracing Morton, Selden, Fuller, Capen, Evans, Maxwell, Corbett, Nelson and other streets in that immediate neighborhood, should be sewered as soon as practicable during the coming season, as it has long been a pressing necessity.

The pumping station at Lyons street has been designed with a liberal factor of safety, so as to be capable of pumping up, not only the legitimate amount of house sewage due to the future probable number of inhabitants, but also a moderate amount of leakage, or of other storm water accidentally finding its way into the house sewers. But for an outlet it has to depend at present on the old sewer in Talbot avenue, which was not designed to meet any such emergency, and which would prove of much too limited capacity in case the amount pumped at Lyons street should seriously increase. I would state that this plant at Lyons street is only designed for a temporary relief, as eventually the only remedy for this district will be the construction of a large tunnel sewer through the dividing ridge to Dorchester bay, allowing the sewage to flow by gravity to the Dorchester Interceptor.

Work done during 1896.

Forty-three thousand four hundred and fifty-three (43,453) linear feet of sewers and surface drains were built by the city by contract and day labor; and thirteen thousand six hundred and twenty-eight (13,628) linear feet by private parties and released to the city.

ROXBURY.

If the scheme to fill in the South bay is carried out as contemplated, it will be necessary to extend the Dorchester-brook sewer. The route for the extension of this sewer is not as yet decided, as much depends upon when and how much of the bay is filled. If it is filled as far as Dover street, it would be better to run the sewer to Kemp street, South Boston, where it will join a proposed overflow sewer for that district, of almost equal size as itself, and from that point a sewer large enough to take the flow of both sewers will be carried to Dorchester bay. This route may be adopted even if the filling is only carried as far as the present Harbor Commissioners' line. The expense of this work, on account of its great size, makes it necessary to give this subject careful study, and it is also necessary to have a better understanding of what is to be done by the parties owning the territory before adopting a route for this sewer.

The district bounded by Swett street, Dorchester brook, Norfolk avenue and Gerard street, is one of the low districts in which (if the combined system of sewers is built) there is going to be the same old trouble about flooding. The few sewers that are now built, which have been started on the combined plan, can be converted into surface drains. Few houses are built and connected with the sewers, but as streets have recently been laid out and built through this territory, more houses will be built and more sewers called for. As the main interceptor runs through this district, it is easily reached with house sewers from all parts of the district. The sewer in Magazine street, which is situated in this district, is still



STONY BROOK CHANNELS, UNDER HUNTINGTON AVENUE, SHOWING METHOD OF STRENGTHENING.

discharging sewage on the flats at Massachusetts avenue. This state of things must continue until a sewer is built to the Dorchester-brook sewer. If the above suggestion for the district is to be carried out, a pipe connection could be made with the interceptor at Massachusetts avenue, and an overflow sewer built in Massachusetts avenue to the Dorchester-brook sewer, connecting below the tide gates. This will be the surface drain when the system is completed.

This is comparatively a new district. After the experience this division has had it seems unwise to keep on building a system of sewers (because the first cost is cheaper) that is almost sure to cause trouble in storms, to say nothing of forever pumping the surface water.

The sewers in Yeoman, Chadwick, Hampden and Albany streets are in the same condition as mentioned in former reports. These sewers are on the combined system, in a district the topography of which makes the small size of the sewers in the low land more evident. The sewers in the high land, on account of their steep grades, rapidly discharge the rain water into the sewers of the low land. If the tide is up during a severe rain, the sewers in the low land are immediately filled, and on account of the great amount of water from the high lands, are often filled above the level of the tide before it can escape.

One remedy for the trouble is to rebuild the old sewers to a larger size, or to build new sewers along the side of the present sewers, old and new sewers combined to have the desired capacity.

The other remedy is to run a pipe sewer from the interceptor in Massachusetts avenue to drain the cellars in the low district, the present sewers to carry the storm water of the low land, and both storm water and sewage of the high land. This would be an ideal system for the district, one from which absolute freedom from flooding would be insured, but, on account of the great expense, may not be adopted.

The sewers in Parker street, between Westland avenue and Boylston street, in Haviland street, and in passageway north of Haviland street, between Parker street and Massachusetts avenue, should be rebuilt.

The sewer in Boylston street, between the Parkway and Parker street, is badly settled, and should be rebuilt.

Sewers are needed on the sides of Stony brook to take sewage out of the brook between Huntington avenue and Elmwood street, as mentioned in former reports.

The ownership of the Muddy-river conduit was transferred from the Park Department to this division in 1895. This is a wood and concrete affair, 9 feet $\times$ 11 feet, in a dilapidated condition, and if not rebuilt will be in danger of collapsing. As this structure is about 1,600 feet long, and at a grade of one foot below city base, the expense of rebuilding will be large.

An overflow sewer to connect with the Muddy-river conduit is an essential part of the system of sewers, of which the sewer in Vila street is the main. This is not yet built, but will have to be before many sewers receiving surface water can be added to the system.

The sewer in private street, north of Dale street, between Wakullah street and Rockland street, and in Hewes street, has caused a great deal of trouble. This is an ancient structure with plank bottom, stone sides, and brick arch. It is too small for the amount it

has to carry; therefore, at times, running under a head which forces the water out through the sides into the neighboring cellars. To remedy this, it will be necessary to start about 1,100 feet down stream, and rebuild with a larger size and flatter grade as far as Walnut avenue.

About 2,200 feet further up stream is the Sherman-street district, which has been troubled a great deal by the small size of the sewers between Sherman street and Walnut avenue. To relieve this district it will be necessary to continue the proposed new sewer, mentioned above, as far as Warren street. This subject was discussed in the annual report for 1892.

The sewer in Columbus avenue, between Stony brook and the new Dimock street, being about completed, the proposed sewer in Dimock street, Notre Dame street and passageway to Washington street, should be built. The people in this district have been patiently waiting for a long time, and now that means of relief are about to be provided, it should be pushed ahead as rapidly as possible.

The surface drain built in 1895, in Huntington avenue, from Muddy river to Heath street, should be extended up Heath street as far as South Huntington avenue. Parties owning property in that neighborhood are about to build streets and sewers. The city will require sewers on the separate system, and unless the surface drain is carried up Heath street, there will be no outlet available for their surface drains.

The sewers in the Hammond-street district, the condition of which has been noted in former reports, have not yet been rebuilt.

The Harrison-avenue sewer, from Northampton street to Eustis street, which is in a deplorable condition, has been neglected year after year. It is now to be rebuilt, and work will commence at once.

The following is a list of defective sewers requiring rebuilding :

- Davenport street, Columbus avenue to Tremont street.
- Walpole street, Columbus avenue to Tremont street.
- George street, Clarence street to Dorchester brook.
- George street, Gerard to Magazine street.
- Haskins street, Vernon to Ruggles street.
- Orchard street, off Yeoman street.
- Winslow street, Palmer to Eustis street.
- Marshfield street, Batchelder street to Norfolk avenue.
- Hunneman street, Brown street to Harrison avenue.
- Newcomb street, Reed street to Harrison avenue.
- Lenox street, Sanford place to Harrison avenue.
- Halleck street, Ruggles to Ward street.

The district bounded by Centre street, Day street, Parker Hill and Columbus avenue, is made up of a somewhat level country on the south, and the south side of Parker Hill on the north. The trunk sewer for this district is the Old Heath and Minden-street sewer. This sewer is large enough to take care of the level section; but as there are no sewers and catch-basins on the south side of Parker Hill the rain-water rushes down the side of the hill to the sewers in the low land, causing a great deal of flooding. The first step was to put in a relief sewer through Old Heath street. This has been built this year; but the full benefit will not be felt until sewers and basins on the south side of Parker Hill are built.

As the owners have begun to develop the land this year, one new street having been built and a sewer laid there, there is a good prospect for a demand for sewers, which, when built, will end the troubles that have so long existed.

One short piece of sewer should be built immediately between the manhole on Heath street, at Wensley street, and the manhole on new relief sewer at Parker street and Heath street.

The sewers in Shawmut avenue, Roxbury street and Guild row, Burke street, Dorchester brook, Clapp to George street, are under construction by day labor; and the sewers in Ruggles street, Parker street to Back Bay Fens, Vancouver street, Ruggles street to Huntington avenue, Fullerton street, Columbus avenue, Ritchie to Dimock street are under construction by contract.

Work done in 1896.

Twenty-one thousand and eighty-three (21,083) linear feet of sewers and surface drains were built by the city by contract and day labor, and five thousand seven hundred and eighty-eight (5,788) linear feet by private parties and released to the city.

CITY PROPER.

The sewers in the South Cove district are now in a fair way of general overhauling. The final decision of the Boston Terminal Company to build the new Union Station with its tracks over many of the sewers of the district, makes it necessary to commence this work at once. The principal sewers within their taking are the east side interceptor and common sewer in Federal street, and the Mt. Washington avenue and Harvard-street sewers. The two latter, with the Federal-street sewer, below Kneeland street, are the overflow sewers for the storm water of the district. The proposed depressed tracks for suburban traffic are designed at a grade which will cut off these sewers, making it necessary to lower all three sewers from the depressed tracks to their ends at the channel. As this would bring the sewer below low tide, the expense of this work would be very large. Another serious consideration is that the Federal-street sewer, northerly from the depressed tracks, is built of wood, and eventually, though perhaps not for many years, will have to be rebuilt. As this sewer will then lie under many of the tracks, crossing at an acute angle, the work of rebuilding will be an inconvenience to the railroad and an expense to the city well nigh incalculable. It was, no doubt, these considerations that led the Terminal Company to suggest that the intercepting sewer be rebuilt around their station between East and Beach streets; and that the Harvard street, Federal street, and Mt. Washington-avenue overflow sewers be combined in one large sewer to be built in Mt. Washington avenue. All other sewers, regulators, tide-gates, etc., (with the exception of the main interceptor south of Beach street, which they propose to leave intact) lying within their taking, are to be abandoned by the city. The sewer in Federal street, between Kneeland street and Essex street, is to be replaced by a new sewer in the new Cove street, between the same limits.

The changes in the sewer system required by the Terminal Company now offer the opportunity so long delayed, but so much needed,

of completing the design of 1888-89; that is, to give the Beach-street sewer direct or open connection with the interceptor, first shifting the district regulator at Dover street to a point on the interceptor in new Cove street, near Essex street, and building the necessary regulators at Oswego and Kneeland streets. The regulator at Harvard street will not then be needed; that sewer being abandoned south of Harvard street and connected with the Kneeland-street sewer by a sewer through South street.

Measurements taken during the heavy rains of January 21, on the interceptor at Beach street, showed a difference of six feet in the level of the water at this point and the water in the interceptor on Massachusetts avenue and Albany street; when the district regulator is shifted the water in the interceptor at Beach street will be lowered several feet during a storm of the severity of that of January 21.

It will be seen at once what an advantage this will be to the Beach-street district, as in all heavy rains the interceptor, being cut off at Dover street, is immediately filled up, and the Beach-street sewer is obliged to discharge against the tide. Moving the regulators from within the taking of the Terminal Company will require the extension of branches from the interceptor to Cove street, at Kneeland street and Beach street. This will be the commencement of what is the only practical solution of the sewerage question for districts situated as this is. The main sewers are chiefly wooden boxes, cut off from the interceptor in heavy rains, therefore filling up to the level of the tide, which has many times risen to grades 13 and 14, while cellars connected with the sewers are legally allowed to be built at grade 12. The result is evident, unless every drain is provided with a back-water trap, and that must not fail to work.

The branches of the interceptor mentioned above should be built at such a grade that they can be extended all over the district and converted into house sewers, discharging directly into the interceptor. The old sewers can then be disconnected from the interceptor, and used as surface drains only. This, though the most expensive scheme on the start (it requiring another sewer or, perhaps, surface drain in streets where there are now good sewers on the combined system) will in the end be the cheapest, not only on account of the freedom from danger of flooding and making low land more desirable for business purposes, but also by taking from the pumps, that are now overburdened, all surface water and leakage, discharging it directly into the sea.

Work was started on the rebuilding of the sewers in Tyler street, between Beach and Curve streets, and was completed between Kneeland and Curve streets; the balance between Beach and Kneeland streets has not been rebuilt. Instead of completing this work as designed, on the combined system, the low-level house sewer proposed in Kneeland street at new Union Station, should be continued up Kneeland street, and a branch built up Tyler street, the old sewer then converted into a storm sewer; this to be one of the first steps towards carrying out the system proposed for this district, and could be carried into the Church-street district, giving the relief so much needed in that district.

Work has been started on the Canal-street relief sewer. This is perhaps the most important of the many heirlooms that have been handed down from year to year. The original line for the upper



NEW SEWER IN CENTRAL STREET, CANAL-STREET RELIEF SEWER.

part of this sewer was from Blackstone street, across Haymarket square to Canal street, and through that street to Causeway street. For this work a loan of \$100,000 was asked.

The proposed route of the subway cut through this line at Haymarket square, and the line was shifted to Haverhill and Causeway streets to Canal street. Later when the subway plans were developed, it was found that the structure would occupy so much of Haverhill street that there would be no room for a sewer of the size required, and the lines were again shifted to Charlestown, Beverly and Causeway streets to Canal street; this change will necessarily increase the expense of the work over the cost of the line as originally proposed. To commence this work a loan of \$25,000 has been made, which will build up the sewer to about State street. This work should not stop at this point; every effort should be made to push it along to its completion.

The excavation for the subway has already cut off the sewer in Haymarket square, and a temporary siphon has been built. The building of the subway has caused the destruction of many of the sewers along its route. In all cases they have been replaced on the sides of the streets in a manner satisfactory to this division, the work being inspected by one of the inspectors of this division.

Large buildings with deep cellars are growing up near the stations of the subway, and wherever practicable the grade of the sewers which the Transit Commission is building, to take the place of the old sewers, destroyed by the building of the subway, has been lowered to give the best drainage possible to these deep cellars. The proposed sewer on the north side of Hanover street, between Portland and Sudbury streets, and the proposed sewer on Tremont row, will be built at grades considerably lower than those proposed by the Transit Commission, which were substantially the same as the grades of the old sewers, but in these cases the Transit Commission has taken the ground that they have no right to build a sewer any better than the old one which it is designed to replace, and, if any additional expense is to be incurred to obtain better drainage, that the Street Department must pay the difference in cost. Although this division does not concur in their view, it has nevertheless agreed to bear the additional expense in the case of the sewers above mentioned.

It was foreseen, previous to the building of the subway on Tremont street, between Pemberton square and Beacon street, that a deep sewer should be built in connection with the work of the subway, on account of the extreme difficulty of ever building it after the subway was completed; and this division used its utmost efforts to induce the Transit Commission to build this sewer at a grade low enough to drain out the deep cellars in this locality by gravity. The Transit Commissioners refused to accede to the request of this division, and the discussion was prolonged to such an extent that the subway was practically completed without the low-grade sewer having been built. This is particularly unfortunate from the fact that there is no other way of approaching those buildings with a low sewer except through Tremont street, on account of the high grade of the land in the rear of these blocks. If a low-grade sewer is ever built in this locality it would be an exceedingly interesting and expensive undertaking. Until such a sewer is built the owners of

these expensive buildings will be compelled to maintain some form of pumping-plant to raise their sewage into the existing sewer, which is quite shallow.

The connections with the interceptor for the Church-street, Dover-street and Dedham-street districts are direct or open connections, the flow of rain water being taken in without regulators. On account of the many floodings in this district this was deemed advisable; but the amount of rain-water to be pumped depends only upon the amount that falls and the height of the tide, and must go on forever under the present system. The present sewers in these districts should be cut off from the interceptor, and converted into storm sewers and small tight house-sewers at a good depth should be connected with the interceptor. This would be a serious undertaking, on account of the amount of money required and the engineering difficulties to be encountered; but when completed, not only would these districts feel the benefit, but other districts situated above the district regulator would also feel the benefit, as from the decrease in the amount of water poured into the east side interceptor, the sewage would not rise to the cut-off line of the regulator nearly so quickly; thus the sewer situated above the district regulator would be helped out. They are now cut off during every hard rain, and fill up to the height of the tide, flooding out cellars.

The surface drainage of the Back Bay should be attended to. The sewers of the Back Bay districts are on the combined system. The trunk sewers, which run in a northerly direction, lie in Berkeley, Dartmouth, Fairfield and Hereford streets. The lateral sewers, running east and west, are in the passageways, thereby making it necessary to have only surface drains in the streets running east and west, and in Arlington, Clarendon, Exeter and Gloucester streets, running north and south. It was stated last year that to complete the surface drainage of the Back Bay would require 133 catch-basins and about 7,000 linear feet pipe surface drains or sewers.

The result will be a very complete surface system; but in all cases the storm water would still be drained into a combined system of sewers. The combined system is the cheapest of all sewer systems to construct, and for a district in which the cellars are at or above grade 15 is a very good system, as far as the danger of flooding cellars is concerned; but for this, in which the cellars are about grade 12, it seems to be only a matter of favorable circumstances when every cellar may be flooded, for when the storm water has raised the level of the water in the interceptor to a certain height, the regulators on the above-mentioned four trunk sewers, close the connections with the interceptor, and the storm water in the trunk and lateral sewers must rise to a height above the level of the tide before it can force open the tide gates and escape to the sea. The predicted tides for 1897 show, in a number of cases, that the tide will rise to grade 11.6. In a heavy easterly storm, the tide may be forced one foot or more higher. The combination of rain storm and high tide has happened, and floodings have occurred, as this division is well aware.

The only way to insure absolute safety for this district is to separate the storm water from the house sewage, and although this would be very expensive, when the value of property that may be destroyed in a flood is considered, it may be advisable to attempt it.

The present trunk sewers are large enough to carry the storm water. They could be converted into storm sewers. Pipe sewers could be built from the interceptor along the side of the present trunk sewers and connected with the present sewers in the passageways, which would then be house sewers. Shallow surface drains could be laid in the passageways, taking the flow from the catch-basins and discharging it into the existing trunk sewers. Similar surface drains could be carried where they do not already exist, up streets that are parallel with the passageways, reaching all parts of the district.

The regulators and connections between the interceptor and trunk sewers could then be removed, and a district regulator placed on the interceptor, just above Brimmer street.

On the water side of Beacon street one hundred and fifty-nine (159) houses and forty-five (45) stables discharge drainage into Charles river. In 1892 a sewer was designed to drain these houses, which was to be built in Back street. The outlet in Hereford street was to run into Beacon street, and, as about that time that part of Beacon street was to be asphalted, it was decided to build the outlet across Beacon street. The work was carried to this point and stopped, as at that time there was a proposition to build a boulevard one hundred (100) feet wide back of the houses. As it would be very much cheaper to build a sewer one hundred feet from the water than to build it against an old sea wall in ground made of clam shells and ashes, and in which tide water rises in many cases as high as the tide itself, it was decided to delay the construction of the sewer until something more definite was learned about the boulevard. As the building of the boulevard seems to be as far in the future as ever, and the houses still drain into the river, I would suggest that the construction of the sewer be no longer delayed.

The sewers in Prince street, between Salem street and Bennet avenue, and in the Eliot school-yard to Tileston street, and in Tileston street, between Salem and Hanover streets, should be rebuilt. This system of sewers is in poor condition, and when rebuilt their grade should be lowered, as the present system is too shallow.

The sewer in Hull street, an old wood, stone and brick affair, should be rebuilt. This sewer was in bad condition in 1892, but on account of the very steep slope on which it is built, and the exceedingly hard nature of the ground in which it is built, it has managed to continue to flow. This sewer is likely to be choked up at any time.

A very large number of sewers in the city proper, especially in the South Cove district, have settled, and are defective. The following list will give an idea of the extent to which the city will be called upon to rebuild sewers in the near future; the rebuilding of a large proportion of these cannot and should not be much longer postponed if the appropriation can possibly be secured, as the cleaning of them is a continual expense.

Brighton street, from Milton to Leverett street.
 Wall street, from Minot to Causeway street.
 Wiget street, from North Margin to Salem street.
 Haverhill street, from Traverse to Causeway street.
 Nashua street, from Minot to Causeway street.
 India street, from Central street to India square.

Milton street, from Brighton to Spring street.
Leverett street, from Causeway to Green street.
Chatham street, from Commercial street to Merchants' row.
Bread street, from India to Broad street.
Stillman street, from Charlestown to Salem street.
Way street, from Harrison avenue to Albany street.
East street, from Cove to Lincoln street.
Edinboro' street, from Essex to Beach street.
South street, from Beach to Kneeland street.
Winchester street, from Church street to Edgerly place.
Appleton street, from Tremont to Berkeley street.
Albany street, from Genesec to Troy street.
Oak street, from Albany to Hudson street.
Warren avenue, from Dartmouth to Clarendon street.
Passageway between Concord street and Worcester square.

St. Charles, Guy, Piedmont, Ferdinand and Kirkland streets are badly settled, and need either partial or complete rebuilding.

Work done during 1896.

The filling in of the dock into which the Pearl-street district sewer overflowed made it necessary to remove the overflow sewer. A sewer was built in Atlantic avenue and Congress street, pitching toward Pearl street, where it is connected with the interceptor. At the outer or seaward end of the sewer, tide gates were built. This sewer does the work of two sewers, in dry weather carrying sewage to the interceptor, and in rain storms flowing up hill, forcing open the tide gates, and discharging storm water into the sea. This seems to be a very desirable design to adopt when the interceptor is situated back from the shore line.

The old leaky wooden sewers in Endicott street, between Causeway and Thacher streets, between Endicott and North Margin streets, have been replaced with tight brick sewers.

The sewerage system for the markets, that has been so long in a most deplorable condition, has been rebuilt, and is now in satisfactory working order.

The Falmouth and Norway-street sewers that have been in so much danger of collapsing for a number of years have been rebuilt.

Sewers in Webster avenue and Unity street, and Beacon street, west of Charlesgate West, are under construction by day labor.

Six thousand one hundred and forty-five (6,145) linear feet of sewers and surface drains were built by the city by contract and day labor, and five thousand five hundred and thirty-seven (5,537) linear feet by private parties and released to the city.

SURFACE DRAINAGE.

The problem of surface drainage for the city of Boston has been exhaustively discussed in the annual reports for a number of years, but yet a few words more upon the subject, together with some statements of the amount of work it will be necessary to do, may not be amiss.

There are two different aspects in which the problem of surface drainage presents itself; the first is that of providing outlets for new catch-basins other than the old existing house sewers. Surface

drains for this purpose might often be of no very great length, say 300 to 600 feet, and twelve, fifteen, and eighteen-inch pipe. But in that case they would have to empty into the existing water-courses where those cross the streets through culverts.

The second aspect of surface drainage is that concerned with the keeping open and preservation of these same water-courses; or of substituting for them, when more convenient, large drains in the neighboring streets. It may often be a question whether it will be cheaper, wiser and better every way, to preserve the old brook channel, or to make one in a parallel street. Each case must be decided on its own merits. But as the old stream always runs in the lowest ground, it is better to preserve the old channel, unless it has been so far obliterated as to render it impracticable.

The history of the water-courses in the suburbs of Boston, that is, in Dorchester, West Roxbury and Brighton, would be a curious one. In many cases it seems as if the residents had regarded them as nuisances which could be removed by simply filling them up; forgetting that the same amount of rain must fall on any territory, no matter how highly improved, as has always fallen from the creation of this continent. This rain, of course, must be disposed of by artificial means if the natural means have been destroyed.

The course, therefore, that seems best for the city of Boston to pursue about surface drainage would be two-fold.

1. The city should, in the majority of cases where new catch basins are built, empty them into short surface drains leading to the nearest culvert or brook channel.

2. The city should take charge of straightening and deepening the channels of the brooks between the streets. In a great many cases this can be done by means of open channels; brick, stone, or concrete culverts being built of the proper size and at the proper depth, where the brooks cross the streets. In this way the "*régimé*" of the stream will be fixed beyond the possibility of unauthorized change, while the expense of covered channels for the whole length of the brooks will be postponed for many years, until it is forced by dense settlement.

The following tables, hastily prepared, give an approximate bird's-eye view of the surface drains which would be required in the principal valleys of Dorchester, West Roxbury, and Brighton during the next ten years. This is meant only as an *illustration* of the size and importance of the subject. It is impossible to predict in advance just which or how many of these surface drains will be required first; this would depend on a number of uncertain circumstances, the priority of settlement, the number of inhabitants, and many other circumstances, only known as they appear from time to time.

General Scheme for Surface Drains in Dorchester District.

[Approximate.]

DISTRICT.	Length of Surface Drain needed in next ten years. Linear Feet.	Approximate Cost.
Dorchester brook.....	9,000	\$20,000 00
Crescent-avenue brook.....	1,000	2,500 00
Sidney and Soudan-streets brook.....	650	1,450 00
Wesley-avenue and Sidney-street brook...	1,600	4,000 00
Midland-street brook.....	700	1,000 00
Dorchester avenue, between Savin-Hill and Roach-street brook.....	3,000	6,000 00
Glover's-corner brook.....	1,500	4,000 00
Clayton and Greenwich-streets brook....	3,000	6,000 00
Ashland and Capen-streets brook.....	400	600 00
Preston and Mills-streets brook.....	1,000	2,000 00
Elm-street brook.....	1,000	2,000 00
Park street at Harrison-square brook....	400	600 00
Park, Dickens and Adams-streets brook..	1,000	2,000 00
Tenean brook or Smelt brook.....	30,000	72,060 00
Tenean street, near Freeport-street brook..	1,500	2,500 00
Neponset brook.....	4,000	6,000 00
Taylor-street brook.....	500	1,000 00
Davenport brook.....	6,000	9,000 00
Richmond and Adams-streets brook.....	3,000	800 00
Central-avenue brook.....	800	1,200 00
Idaho-street brook.....	1,500	3,000 00
Brook, 750 feet west of last above.....	3,000	6,000 00
Brook, 2,250 feet west of last above.....	500	1,000 00
Brook, 300 feet west of last above.....	500	1,000 00
Mattapan brook.....	13,000	27,000 00
Oakland-street brook.....	2,500	5,000 00
Stony brook.....	7,500	22,000 00
Grand total.....	.....	\$209,650 00

General Scheme for Surface Drains in West Roxbury.

[Approximate.]

DISTRICT.	Length of Surface Drain needed in next ten years. Linear Feet.	Approximate Cost.
Goldsmith brook	2,155	\$21,095 00
Arundel street branch of Roslindale branch of Stony brook.....	3,990	24,925 00
Hewlitt and Farquhar streets branch of Stony brook	2,010	12,940 00
Spring-street brook	7,060	28,207 00
Roslindale branch of Stony brook.....	3,500	35,920 00
Montview and Kirk-streets brook	1,200	4,200 00
Grand total .....	.....	\$127,287 00

General Scheme for Surface Drains in Brighton.

[Approximate.]

DISTRICT.	Length of Surface Drain needed in next ten years. Linear Feet.	Approximate Cost.
Faneuil-valley brook	6,525	\$53,768 75
Oak-square branch of Faneuil-valley brook.	1,480	10,712 50
Market-street branch of Faneuil-valley brook.....	1,800	12,600 00
Holmes-avenue brook.....	2,400	21,500 00
Salt-creek brook.....	1,700	24,400 00
Brook across Commonwealth avenue, be- tween Kinross and Sutherland roads	800	5,800 00
Brook, from Chiswick road to Common- wealth avenue, and down Strathmore road.....	2,150	17,225 00
Brook, from Shepard street to Western avenue.....	10,525	152,956 25
Grand total .....	.....	\$298,962 50

Taking up the various principal valleys in Dorchester, somewhat in their order, from north to south, and then from east to west, I will begin with the west branch of Dorchester brook.

This rises in Washington street near Grove Hall, and runs down just east of Blue Hill avenue, crossing Lawrence avenue and Quincy street, and running through the old William Gray estate, near Howard avenue, joining the easterly branch, near Durginville.

The city is now building a separate system of sewers in the territory between Geneva and Lawrence avenues; house-sewer, 12-inch pipe; surface drain, from 3 to 4½ feet diameter. Below Lawrence avenue there is only a combined system, sewer and brook being in one channel, a good deal of which is of a capacity of about 50 to 70 cubic feet per second. The area above Lawrence avenue is about 180 acres. The area of the whole brook is about 430 acres. It is evident that if storm water is to be admitted more freely at the upper end (which must happen as the settlement increases) some new outlet must be found for the storm water below, or flooding of low cellars will result.

The largest size of the existing old combined sewer is 4 feet × 4 feet 6 inches, cross sectional area, 15 square feet; the largest size of the surface drain needed for this valley would probably be about 11 feet; cross sectional area 95 square feet.

The easterly branch of Dorchester brook rises on Mount Bowdoin, near the New England Railroad, and follows the general route of that railroad to Dudley street, and then through Humphreys street to the other branch at Durginville.

This valley, like the preceding, is supplied by combined systems; that is, the brook and sewer are all one. The size of the sewer at Columbia-street crossing is about 42 inches × 36 inches; area above this point 70 acres. Total area of the brook, 225 acres; largest size of existing sewer, 5 feet, with cross sectional area of 20 square feet. Probable largest size of surface drain required, 6 feet 3 inches, with cross sectional area of 30 square feet.

The inadequacy of the existing sewer for the storm water is already shown at the Quincy-street crossing under the bridge, where it is reported that the street has had two feet of water in it during storms.

The next valley of interest is at Crescent avenue. Area of valley above Dorchester avenue, 40 acres; size of combined sewer below Dorchester avenue, 3 feet; capacity, 30 cubic feet per second and less.

This is a place where the culvert under Dorchester avenue has been obstructed, and much complaint has been made from the flowage in the neighborhood of Pond and East Cottage streets. Probably the only substantial relief for this district will be had in the building of additional surface drains, to supplement the existing combined sewer.

We now come to the valley of Hancock and Freeport streets, emptying at Glover's corner. There has been more or less complaint of flooded cellars and surface water, particularly from the neighborhood of Trull street, and also of Draper's court. No permanent relief or improvement can be obtained here without a system of surface drains.

We now come to the valley of what is called at its lower end, where tide flows, "Tenean creek," and in its upper part, "Smelt brook."

This brook is divided into two sections. The northern part rises at Washington street, near Olney, and flows down by Geneva avenue to the "clay pits," so called, and from there through the sewer yard to Park and Mill streets. The south branch rises on Washington street above Carlisle street, and flows down across Melbourne street and Dorchester avenue, by the way of Lonsdale and Edwin streets, crossing King, Centre, Dix, Parkman, and Gibson streets, to the sewer yard, where it joins the other branch.

With regard to the first named or north branch, the city has already built a liberal surface drain in Geneva avenue and Westville street, as well as culverts under Josephine and Charles streets, also a wooden channel, 6×6 , in what is called the "old garbage yard." It would be well to complete this work as soon as practicable, at least to the extent of building culverts under the remaining streets, and deepening and straightening the channels between culverts.

On the south branch of this brook there is much swampy territory, and there are many new streets laid out and built upon in the square formed by Dorchester avenue, King, Adams, and Ashmont streets. On one of these new streets, Lonsdale street, also across Dorchester avenue, new culverts have been built of the proper size. No other scientific improvement of the channel has been made, but on the contrary it has been diverted through small pipes to suit the convenience of land owners. Some petitions have been sent in, asking the city to build a system of drainage for this whole territory. The least to be done is to straighten the line between existing culverts. Below this square, culverts have been built across King, Centre, Dix, Parkman, and Gibson streets.

Between the outlet of the last named at Commercial point and Neponset there are some small outlets, mostly tidal and draining, but little area. The only one needing mention here is one crossing Tenean street, 300 feet north of Fulton street, where the old wooden culvert has broken in, and should be rebuilt, either in wood or in better material.

We now come to a somewhat extensive stream called Davenport brook, which rises on Codman hill, also on the edge of Lower Mills Village, and also near Armandine street, and flows down, one branch through the Churchill meadow and Codman street, the other branch from Armandine, through Bailey and Van Winkle streets, to join the other, near the corner of Adams and Minot streets, from which point they flow by Marsh street to the Neponset river.

On the north branch of this brook, in Armandine, Ashmont, Bailey and Fuller streets, the condition of things is bad. Private parties have apparently fought the brook as if it were an enemy, and have so abused it as to put it clean out of sight; except in times of freshet, when it asserts itself by filling cellars, spreading over low lands, and sending the neighboring citizens into this division to ask for protection against malaria and diphtheria. (There doubtless being on this brook, as on most others, sink drains and water-closets emptying into the stream.)

On the south branch of this brook, leading from the rear part of Lower Mills Village, there is not so much complaint, as the locality is not so much settled. There is, however, some zymotic disease, calling for sewerage facilities; and there is an excellent chance to improve the sluggish, swampy brook channel now, while the territory is still unsettled.

The next brook along the Neponset river is the Mattapan brook, which rises at Capen and Selden streets, and flows along by the Forest-avenue station and the New England Railroad to Mattapan station on that railroad, whence it follows nearly the line of Blue Hill avenue, crossing it very obliquely to the Neponset river at Mattapan square.

Between the New England railroad and the Neponset river, this brook would so much affect the proposed widening of Blue Hill avenue (running in it a good deal of the way) that some scheme for its improvement in that part would have to be incorporated into the widening. The upper part of the brook is so extremely flat and swampy that it would very soon be a menace to the health of that rapidly-growing neighborhood, and ought to be straightened and deepened as a measure of sanitary precaution. There are on this brook probably 150 acres of swampy land, flowed every winter and spring, out of a total of 300 acres.

The last brook on the Neponset river is the Oakland brook, which rises on Oakland street, near Calvary Cemetery, flows northward in front of Mount Hope Cemetery, turns and runs eastward, then south-eastward, parallel with Walk Hill street; thence southerly, crossing Oakland street, and crossing the New England Railroad, near Rugby station, where it receives a large branch from the town of Hyde Park, and crossing River street makes its way into the Neponset river.

This brook has recently been studied by this division, in connection with the "Board of Survey" squares, being prepared for filing by the surveyors of the Street Commissioners' Department. Almost the whole valley of this brook is in a dense forest; but evidently the time when it will come into market in competition with its immediate neighbors is not far off, and it would be a great blessing to its future inhabitants if a scheme for improving the channel of the brook could be carried out in advance of the building of streets and houses.

We now come to the westerly quarter of Dorchester, which lies in the valley of Stony brook. This territory in its northerly part is high and rolling, sloping gently from Mount Bowdoin and Grove Hall to Talbot avenue. This portion of it needs very soon a good many lengths of surface drain, but no very extensive system at present, until the brooks are improved lower down. But south of Talbot avenue the condition of things is very different. There is a territory centring at Lauriat avenue and Dorchester station on the New England Railroad, which is naturally very swampy, and which has been settled up in advance of any system of drainage. The wants of the inhabitants here for house sewerage will soon be met by the completion of the new pumping station, by which their house sewage will be pumped over through Talbot avenue and the Centre-street tunnel to Dorchester bay. But this can evidently do absolutely nothing towards the surface drainage of the land; that is, towards relieving it from the rain water of 800 acres, brought down from Mount Bowdoin and Franklin Park, and diffusing itself over acres of swampy land. The natural course of the water from this territory is by the "Canterbury branch" of Stony brook, which crosses Blue Hill avenue, near Chapman avenue; thence crossing Harvard, Morton, and Walk Hill streets, passes just eastward of Canterbury street, to join the main stream of Stony brook, which flows from there by Forest Hills and Roxbury stations to the Back

Bay. But this course from Dorchester to the Back Bay is very long and flat. From the new pump house, near Dorchester station, by the route of the most convenient streets to Dorchester bay, near Harrison square, is about $2\frac{1}{4}$ miles. From the same pump house by the valley of Stony brook to its outlet at Beacon street, near Charles street, is about $5\frac{1}{2}$ miles. There is practically the same fall of 50 feet to high tide in either direction. This implies an average slope of about 9 feet to the mile towards the Back Bay, and an average slope of about 22 feet to the mile to Dorchester bay. But in the latter case, inasmuch as the intervening ridge is about 40 feet above the point of starting, the utilization of this route would probably be by a tunnel, passing at a flat grade 50 or 60 feet below the summit, and then by a channel having a quick descent to the waters of Dorchester bay.

No doubt the drainage of this section of Stony brook in Dorchester, as well as of quite a tract lying on the brook in West Roxbury, could be most speedily and effectually handled by means of such a tunnel, were it made large enough. The cost, however, would be considerable; it has been variously estimated at from \$250,000 to \$300,000 which has probably prevented it from being favorably considered up to the present time. There would be various advantages, however, connected with this tunnel, for the disposition of house sewage, which will be touched on later.

If it should prove that the time is not ripe for such a tunnel, a comparatively inexpensive relief for the surface drainage of the Lauriat-avenue and Chapman-avenue region can be obtained by deepening the open channel of the Canterbury branch of Stony brook down to the main brook, a distance of about 10,000 feet. (The main brook at this point was straightened and deepened to the established grade by the town of West Roxbury previous to annexation.) This is an improvement, by the way, which ought to be made at an early date for purposes of general sanitation and agricultural improvement.

Meanwhile, the existing state of things near Lauriat avenue is about as bad as anywhere in the city of Boston. This large brook, for the reception of which the city has built culverts across Lauriat avenue, 6 feet square, has been interrupted at many points by private streets with only 15 and 18-inch pipes provided for culverts.

WEST ROXBURY.

Goldsmith's brook.

The two branches of this brook rise near the line between West Roxbury and Brookline, and flowing down on opposite sides of Moss hill come together near Goldsmith street. From this point to Woodman street, a distance of about 400 feet, there is at present an open channel which needs widening and deepening. From Woodman street, across private land to Jamaica street, there is a culvert of about 15 square feet cross-sectional area, which should be increased to at least 30.

From Jamaica street to the easterly side of South street, a distance of about 600 feet, the present channel is large enough to satisfy the probable needs for the next ten years.

At South street the area naturally drained by the brook is about 550 acres, and the sewers at present built in this area receive more or less storm water which properly should be taken directly to the brook.

From South street to Call street, a distance of about 950 feet, the channel of the brook is, for the greater part of the distance, in a most deplorable condition. The yards and cellars are flooded during heavy storms and, except for a very small part of the way, no pretence is made of providing a sufficient channel, or of confining the brook within proper bounds.

Under Call street and the N. Y., N. H. & H. R.R., Providence Division, the channel is of sufficient size, but from the railroad to Washington street, a distance of about 450 feet, there is an open channel, of shallow depth, which seems to be a receptacle for all sorts of rubbish, and in warm weather is a menace to the health of the residents in this locality.

From Washington street to Stony brook is a large well-built culvert constructed by the city in 1895.

Arundel-street branch of Roslindale branch of Stony brook.

This brook drains a considerable area of swampy land bounded by Walter, Weld and Selwyn streets, containing about 40 acres. The main brook runs across Selwyn, Knoll, Arundel, Mozart, Hewlett, Farquhar and South streets, and the N. Y., N. H. & H. R.R., and Birch street, below which point it requires no attention at present.

At South and Hewlett streets are culverts of sufficient size. Under the other streets the culverts are much too small and should be rebuilt at a very early date.

The channel in other places, except where it crosses streets, requires deepening and widening.

Hewlett and Farquhar-streets branch.

This branch rises a little above Centre street, between Hewlett and Farquhar streets, and joins the Arundel-street branch about 250 feet from Walter street.

The culvert under Centre street is at present in a tumble-down condition, through which the water trickles without any pretence of free flow, and on the up-stream side stands in a large pool during wet weather.

Between Centre and Hewlett streets is, for part of the way, an open channel, and for the remainder of the distance a 6-inch pipe. The care of the water, after the culvert under Centre street is rebuilt, will require a 30-inch pipe. This will connect with the 30-inch pipe under Hewlett street, built in 1896.

From Hewlett street to Selwyn street there is an open channel which, for some three or four years to come, will probably require no attention. Within ten years, however, it will be necessary to make this into a walled channel.

At Selwyn street the brook was taken a few years ago by private parties into a 15-inch pipe, and carried up Selwyn street to Hewlett street, and thence down Hewlett street to the main branch, near Walter street. This 15-inch pipe has a capacity of about $3\frac{1}{2}$ cubic feet per second, and will in a few years be called upon to carry some 40 cubic feet per second, thus necessitating the rebuilding of the channel between the limits given above.

The area drained by these two brooks contains at present over 100 houses. There is a sewer in Hewlett street, and sewers nearly completed in Mozart, Selwyn and Arundel streets; also a demand for sewers in other streets in this area.

There is every reason to suppose that the usual attempt will be made by the property owners to fill in the brooks where they cross their land, particularly as these brooks in the summer time carry very little water. As the sewers in this vicinity are all designed on the separate system, they are utterly inadequate to care for any surface water from the streets.

Spring-street brook, between Charles river and head waters of the brook near Bellevue street.

This brook at present receives the sewage from quite a number of houses lying in the area between Centre, Spring and Baker streets. The sewers to be built in this area in the near future will connect with the Metropolitan sewer, now in process of construction, and are designed to carry only house sewage. This brook, therefore, will be an outlet for surface drainage for quite a large territory, and it is, therefore, of great importance that the channel be preserved in good condition, and when improvement is necessary that the improvements be built of proper size.

From the river to Baker street, a distance of about 3,500 feet, it is proposed to have an open channel, part being with sloping earth sides, and part with walled sides.

From Baker street to Centre street will be required a brick channel, containing from $12\frac{1}{2}$ to $23\frac{1}{2}$ square feet cross-sectional area. The existing culverts vary from 1 to 6 square feet in cross-sectional area.

From Centre street up, an open channel will answer for some time to come.

Roslindale branch of Stony brook, from Washington street to Central station.

This brook has been abused much less than any of those above mentioned, probably owing to the fact that building operations have begun in this territory within only a few years. It will require a wider and deeper channel, with proper culverts under the various streets, as the area becomes settled.

Brook from Montview street, near Kirk street, to Centre street, near Corey street.

This case is the worst that has been brought to notice in West Roxbury. At Centre street the brook has been taken into the surface drain in that street, and from Montview street nearly, or quite to Centre street, the channel is practically obliterated. For some little distance down from Montview street, however, there is a blind drain which replaced the brook, and the location of which, I am informed, can be easily determined in wet weather.

This blind drain does not operate to any extent, and as the surface of the ground at the outlet to the culvert under Montview street has been filled in to a height somewhat above the water line of the culvert, the water instead of running off becomes stagnant.

A request was made by the West Roxbury Improvement Society that the culvert be abandoned, and the basins connected with it be connected with the sewer in the street.

The sewers in the neighborhood are on the separate system and should receive no storm water whatever.

The above request is a fair sample of what always comes to pass if owners of land are allowed to interfere with natural water courses.

BRIGHTON.

Faneuil Valley brook, from upper culvert at Lake street, to Wool pond, near North Beacon street.

Culverts of size sufficient to answer for many years were built in 1891, under Lake street, at the two points where this brook crosses it. Between these points it is probable that no change will be made in the brook until the streets laid out by the Street Commission on the east side of Lake street are constructed, some of which cross this brook. Culverts under the streets will then be necessary, and the brook in the land between the streets will require walled sides. In this area the brook will receive all the surface water from the streets.

From the lower culvert, under Lake street, to Hobart street, the conditions are the same as above.

There are culverts under Washington, Fairbanks Oakland, and Faneuil streets built by the city, of proper size, but at Hobart street the culvert will require to be much larger than at present.

From Hobart street to Wool pond the brook is carried part of the way in an open-walled channel, and part of the way in a covered channel. Neither of these is of sufficient capacity to last for many years, except at Parsons street, where there is a culvert of proper size.

Oak-square branch of Faneuil Valley brook, from Brooks pond to Oak square.

Under Brackett street and at Faneuil and Brooks streets, at the junction of the two streets, culverts of about 25 square feet cross-sectional area are needed in place of the very small culverts at present in use.

In the private land between the streets the channel should be deepened and widened and the sides protected by stone walls.

At Oak square this brook receives all the surface water from Tremont and Nonantum streets, and a large part of Washington street, northwest of Oak square.

Brook from Market street, near Faneuil street, to outlet near North Beacon street.

The upper part of this brook, near Market street, has been filled in within two years. The lower part is in a covered channel of insufficient size. The middle part of the brook is open, and receives water from the hills in the vicinity.

There has been complaint by the owner of the land that in time of storm, or when the snow melted in the spring, that his land was flooded on account of the outlet being obstructed.

The upper and lower part of this brook should be taken into a 3-foot 6-inch circular brick conduit, and the middle part improved for the present by building an open channel, with walled sides.

Holmes-avenue brook, from Harvard avenue to culvert, under Commonwealth avenue, near Griggs street.

Culverts have been built in 1896 under Holmes avenue, at the two crossings of this brook. Owing to the proximity of Commonwealth avenue, and the fact that streets running perpendicular to

Holmes avenue have recently been completed in the town of Brookline, the line between which town and Boston is only about 250 feet from Holmes avenue, it seems probable that the land abutting on this street will soon be developed. On this account the proper thing to do is to take the brook into a brick conduit, which will vary from 16 to 24 square feet in cross-sectional area.

Salt Creek brook, between Boston & Albany Railroad and Commonwealth avenue.

This brook is the outlet for all the surface water falling on Commonwealth avenue, between Pleasant street and the summit southwest of Warren street, as well as for all the streets already built or to be built between the avenue and the southerly limits of the drainage area which lies in the town of Brookline. It is also the outlet for several branches lying wholly or in part in Brookline. This brook should be widened and deepened, with stone-wall sides, from the railroad up to the northerly line of Commonwealth avenue. From that point, for a distance of about 100 feet under the avenue, a new culvert was built in 1892, but in the southerly 60 feet of the avenue the old culvert of inadequate size and poor condition remains.

From the southerly side of the avenue a new culvert, following about the course of the brook, was built by private parties in 1893. It lies in private land, and is too small in size and of poor construction.

The last two mentioned should be rebuilt, thus affording an adequate outlet for the present concrete conduit in Commonwealth avenue.

Brook across Commonwealth avenue, between Kinross and Sutherland roads.

There is at present a culvert under the avenue and under Sutherland road which is not in very good condition, but will probably answer until the avenue is built to its full width. Below the avenue the brook should be taken into a brick conduit and carried down to connect with the brick drain built by private parties when the land along the lower part of the brook was developed.

The land in this vicinity is of considerable value, and as the sewers all drain into Brookline territory, and must be on the separate system, it is of importance that the brook be preserved to carry the surface water.

Brook from Chiswick road through private land to Commonwealth avenue, thence across the avenue and down Strathmore road to connect with existing channel at Englewood avenue.

This brook should be taken into a channel of proper size, as it will receive the surface water from streets covering considerable territory. The upper 650 feet of this brook lies in private land, and as it contains water only a few months in the year, and the land in this vicinity is being rapidly developed, means should at once be taken to preserve the channel. The remainder of the brook is carried in streets by small pipes and tumble-down stone drains to a brick conduit, built by private parties, and extending into the town of Brookline. It will require a channel containing about $7\frac{1}{2}$ square feet cross-sectional area.

Shepard-street brook, from Shannon street to Western avenue.

The present condition of this water course is a source of annoyance to the property owners in various parts of this drainage area, and will become more so as the territory increases in population. The brook rises near Union and Shannon streets, and formerly flowed across Shannon, Shepard, Washington and other streets to Western avenue, and thence to the Charles river. The condition of the brook at this time is as follows:

It is carried across Shannon street in a 24-inch pipe, laid by the city, from a point near its source to about half-way between Shannon and Shepard streets, where it empties into the open channel. A short distance below it is taken into a 15-inch pipe, built by private parties several years ago, and carried to Shepard street, at which point it is taken into the Shepard-street sewer. As the sewer in Shepard street has a capacity of only 4 cubic feet per second, and the water delivered by the brook at this point may, in time of average storm, amount to 15 or 20 cubic feet per second, it is not at all remarkable that some of the cellars and yards in this vicinity are flooded during storms.

From Shepard street to the West End car-house, near Washington street, the channel of the brook is obliterated; but the channel under the car-house still remains. From that point to Sparhawk street, the old, covered stone channel is in existence. Its location is known approximately, but not its size or condition. The catch-basins at the junction of Cambridge and Washington streets, which formerly emptied into the brook at this point, are now running into the sewer in Washington street, and in time of storm assist in overcrowding this sewer and flooding the cellars in the vicinity. From Sparhawk street to Murdock street the brook is entirely wiped out.

From Murdock street to North Beacon street, the channel remains; but at North Beacon street the brook was several years ago taken into the sewer at the earnest solicitation of one of the large property owners of Brighton. As the sewer was never designed to carry any such quantity of water as is brought to it by the brook, and is entirely inadequate for such purposes, the natural result has been that the sewer, in time of storm, is greatly overtaxed, and cellars along the valley of the brook are often flooded. It is perhaps a case of poetic justice that the man who was chiefly instrumental in having the brook taken into the sewer in order that it might be removed from his land farther down, has been one of the greatest sufferers from the overcrowding of the sewer. To restore the brook to this point will require a conduit, varying from 24 inches to 5 feet 6 inches in diameter.

From North Beacon street, nearly to Everett street, the channel is entirely obliterated; and, although there is a short length of open channel near Everett street, it has no outlet. From North Beacon street to Everett street would require a conduit of about 40 square feet cross-sectional area.

From the easterly side of Everett street to North Harvard street, the brook is carried in a covered channel, laid by private parties, consisting of wooden culverts and earthenware pipes, which vary in capacity from 3 to 8 cubic feet per second. If we consider only the area between Everett and Franklin streets, the quantity that will be brought to these pipes when the land is a little more developed will be at least 40 cubic feet per second. If we

consider the entire drainage area of the brook down to this point it will ultimately amount to 250 cubic feet per second. As the territory between Lincoln street and North Harvard street is sewered on the separate system, the necessity of providing an adequate outlet for surface water can readily be seen.

From a little beyond North Harvard street to Western avenue, and thence to the Charles river, there is an open channel which would only require deepening and widening, with perhaps walled sides.

It will be seen by the above report on surface drains that this division has made a very careful study of this, both on an engineering and scientific basis. This is a subject that has caused a great deal of trouble to the division, but the trouble in the past is nothing to what the trouble will be in the future, unless some remedy is given. The city has reported a bill to the Legislature for the relief of surface drainage.

MAIN DRAINAGE.

In the early history of Boston, when any citizen, or number of citizens, deemed it necessary to have a sewer to drain their cellars or lands, they proceeded without reference to the town government to construct and control a sewer to discharge by gravity on the most direct route to the tide water, of such size and materials as they saw fit.

With the increased importance of the town government, no drain was allowed to be laid or repaired without permission of the selectmen; but even then drains of all sorts, sizes and shapes were laid, sometimes more than one in a street, side by side, or one above the other, with no plans to show their location or the position of those previously laid.

Until it became a city, in 1823^{*}, and took control of all the sewers, new and old, the greater part of Boston was sewered in this way. Fourteen years later a "Superintendent of Sewers" was appointed to have entire charge of the sewers.

While Boston was a small city, situated on hilly land, with good slopes on all sides toward the water, allowing the sewers a grade that prevented any accumulation of deposits, the amount of sewage, insignificant when compared with the immense volume of sea water, caused little annoyance by the method of sewage disposal in use.

The increasing population and growth of the city, the territorial enlargement being for the most part by reclaiming the tidal marshes and flats, requiring the extension of sewers on slight, and, in some cases, level grades to the tide water, brought the evils of the sewerage system, or lack of system, into public notice.

The flood tide in closing the tide gates at the sewer outlets prevented the escape of the sewage, and forced the sewers to act for the greater part of twelve hours as stagnant, elongated cesspools, whose efficiency was being lessened daily by amassing deposits too solid to be removed by the feeble current produced by the ebbing of the tide. During high tide a heavy rain would surcharge the sewers, flood the cellars, and force the sewage itself into the houses.

Such an unbearable stench arose from the deposits putrifying in the sewers and in the catch-basins, constructed on the sewer lines, that all ventilating openings were sealed. In event of the wind blowing into the sewer, or the rising sewage, dammed by the flood tide, compressing the air, the foul sewer gas was forced up the badly constructed drains into the houses.

The sewage discharged from the seventy independent outlets during the latter part of the ebb, returning on the flood, was deposited, not only on the flats about the sewer outlets, but also far inland, there to decompose and fill the atmosphere with vile, penetrating odors that hung over the city from end to end.

The air was so polluted, especially in the neighborhood of the marsh lands, that houses were closed, and their occupants left the city; business was blocked, and laborers were obliged to quit work;

public attention was aroused, and complaints were received daily. To quote from a report of the city Board of Health: "Large territories have been at once and frequently enveloped in an atmosphere of stench so strong as to arouse the sleeping, terrify the weak, and nauseate and exasperate everybody."

The nuisance became so intolerable that an Act, to provide for a commission to be paid by the city of Boston, on the subject of drainage and water supply for the city of Boston and vicinity, was passed in a special session of the State Legislature (chap. 360, Acts of 1872). On the ground that the expense should be shared by the other cities and towns interested, Boston refused to comply with the terms of the Act.

Time passed, and although the complaints of the citizens became louder, the adjacent towns manifested no desire to co-operate with Boston in constructing a comprehensive Metropolitan sewerage system. The city, however, deciding to proceed alone, began by passing the following order in the City Council:

"*Ordered*: That the Committee on Sewers be requested to examine into the present system of sewerage in this city, and report to the City Council whether any improvement of the present sewerage facilities is necessary for the protection of the public health."

The Committee on Sewers reported that the sewerage system was very satisfactory, and that no improvements were needed.

In spite of the favorable report of the Committee on Sewers the question of improving the sanitary condition was again and again brought before public attention by the City Board of Health and by progressive citizens, with the result that early in 1875 His Honor, Mayor Samuel C. Cobb, appointed E. S. Chesborough, City Engineer of Chicago, Moses Lane, City Engineer of Milwaukee, and Charles F. Folsom, M.D., Secretary of the Massachusetts State Board of Health, as a commission to thoroughly investigate the sewerage of Boston, and the best method and scheme of sewage disposal for the future.

The carefully prepared, far-seeing report of this commission justified the anticipation of their ability to cope with the great question involved. In brief, they advised the construction of two trunk intercepting sewers, one designed to include the part of Boston and the adjoining territory lying to the north of the Charles river, to discharge at Point Shirley; the other, designed to drain, until the population was greatly increased, all the territory lying between the Charles river, Mother brook, Neponset river and the sea, an area of about 57.8 square miles; the sewage to flow by gravity to a pumping station at Dorchester bay, there to be raised about 30 feet, and then flow through a siphon, under the Neponset river to Moon Island. The sewage from both lines was to be stored in large masonry reservoirs, constructed near the points of discharge, and run out during the first two or three hours after high water. The reservoir at Moon Island was designed to store about 25,000,000 gallons of sewage, representing somewhat more than twice the amount then discharged in six hours. The outfall sewer was to be able to carry 445 cubic feet per second, or over 280,000,000 gallons per day. This was the amount of sewage calculated to be received from a population of 1,000,000, allowing 150 gallons per day per inhabitant and an amount of storm water equal to one-fourth of an inch of rainfall per twenty-four hours. They apprehended that in

ten or fifteen years the population would increase so that the building of a high-level sewer to drain the greater part of the territory above grade 40, about 46 square miles, would be advisable and economical, as the sewage from that district would then be discharged by gravity into the reservoir at Moon Island, and greatly relieve the work at the pumping station.

The commissioners' report embodied in substance the principal features of the main drainage systems as they exist to-day, and are proposed for the future.

The adoption of the commissioners' plan, so far as it applied to the territory south of the Charles river, the portion of the city where improved sewerage was the most urgent, was recommended by the special committee to examine the report. A joint special committee to take charge of the construction of the proposed improved sewerage system to be built under the direction of the City Engineer was appointed.

Extensive float experiments were made at Spectacle, Thompson's, Castle and Moon Islands, to determine the force and direction of the tidal currents, and the most fitting site for discharging the sewage. Moon Island was found to be by far the most favorable for the reservoir and outfall work. The studies prosecuted to determine the location of the pumping station showed a good clay foundation at the Cow Pasture at Old Harbor Point. These and some other alterations, as building a tunnel under Dorchester bay, change of location of part of the main sewer, etc., were found advisable after an accurate survey of the proposed route had been accomplished; but the principal features of the original scheme, a main sewer with branch interceptors traversing the low coast line of the city, a pumping station, an outlet sewer, with a siphon under the Neponset river, and reservoirs for storing the sewage during the flood tide, were incorporated in the plan. The work began in July, 1876, was pushed rapidly forward, and the first contract let during 1877.

Owing to the unexpected difficulties encountered, and to the rise in price of labor and materials between the letting and finishing of the contracts, a large part of the main sewer was built below cost, and several of the contractors failed. Many difficulties were overcome, and problems new to engineering science were solved. A number of the old sewers, some of which were working satisfactorily, had to be rebuilt to accommodate the new grade.

As it was desirable to relieve the city from the evils of the old sewerage system as soon as possible, the new works were put into operation on Jan. 1, 1884, although considerable work remained to be done. The total cost of the improved sewerage to Jan. 1, 1888, was \$5,000,000.

The solution of the sewerage problem for the towns adjoining Boston by large intercepting sewers to carry the sewage to pumping stations, there to be raised to such a height that it would flow by gravity into the sea, the intercepting sewer on the north side for Cambridge, Everett, Malden, Chelsea, Winthrop, Somerville, etc., to discharge at Point Shirley, reservoirs storing the sewage during flood tide, a high-level sewer to drain the territory 40 feet above the low water plane, when the capacity of the main intercepting sewer of the district between the Charles and Neponset rivers should be exceeded, was embodied in the report of the commission of 1875.

Improved plans, including an additional trunk line skirting the southern boundary of the city, designed to relieve the country in the Neponset-river valley, were subsequently made by the City Engineer.

The building of a sewerage system for the cities and towns north of the Charles river was taken in hand by the State, which appointed the Board of Metropolitan Sewerage Commissioners in 1889, under whose jurisdiction the work was carried on and completed in 1895.

Interceptors receiving sewage from Melrose, Malden, Somerville, Woburn, Arlington, etc., unite in a large main sewer passing through Everett, Chelsea, East Boston and Winthrop to Deer Island, where it continuously discharges its contents into the sea. The reservoirs recommended in the original report of 1875 have not as yet been built.

The construction of this system, as well as the annual interest on the first cost, is borne by the municipalities and towns benefited according to the ratio of the valuation of each municipality or town to the total valuation of the tributary territory, and the annual cost of maintaining and operating the works is divided among those cities and towns according to the ratio of the population of each city and town to the total population of the tributary territory.

East Boston and Charlestown lie wholly within the system north of the Charles river, and by valuation Boston paid in 1896 on their account, 22 per cent of the cost of construction of the entire system, and of the interest on the cost, and 22.82 per cent of the annual cost for maintenance and operation.

In 1889 the work of extending the Boston main drainage from Huntington avenue and Parker street up the valley of the Charles river to the Waltham line, to abate the nuisance caused by emptying the sewage of Waltham, Watertown, Newton, Brighton, and Brookline into the Charles river, was placed in the hands of the Metropolitan Sewerage Commissioners. The building of the sewer was begun in 1890, and connections were allowed to all of the above towns in the spring of 1892.

The system outlined by the City Engineer for the Neponset-river valley, including Milton, Hyde Park, Dedham, parts of West Roxbury, Dorchester, Newton and Brookline, lying within that water-shed, was partially built by Boston, and later taken up by the Board of Metropolitan Sewerage Commissioners, who have practically completed the main sewer nearly to the West Roxbury line at the time of writing.

The sewage from the Metropolitan sewers in the Charles and Neponset-river valleys, together with sewage from the Boston and Dorchester main drainage works, is raised at the Dorchester pumping station a distance of 35 feet, allowing it to flow without further pumping through the tunnel under Dorchester bay to the reservoirs at Moon Island, where it is stored until one hour after the beginning of the ebb tide.

As the sewage from the Charles system was discharged at Gainsborough street into the original main city sewer, and flowed from thence to the sea by Boston's disposal works, it was necessary to contract with Boston for disposing of this additional amount of sewage. Conferences were held between the city and State officials, resulting in certain arbitrary sums being paid annually to Boston

up to the year 1896, although these amounts were considerably less than what the city would have received had the amounts been determined on the lines laid down by the Apportionment Commission of 1890. That commission determined the per cent of the interest and cost of construction and of annual cost of maintenance of the sewers built by the Board of Metropolitan Sewerage Commissioners that each city and town should pay for a period of five years. In 1895 when a new Apportionment Commission was appointed to determine the amounts to be paid by the several cities and towns in the Metropolitan sewerage district, it became necessary for the city of Boston to make a new settlement of the amount which should be paid for disposing of the sewage from the Charles and Neponset branches of the Metropolitan sewerage systems for a period of five years (1896-1900, inclusive). In January, 1895, negotiations began between the city officials and the Board of Metropolitan Sewerage Commissioners. Figures were made by the Superintendent of Streets, basing the amount to be paid Boston on the ratio of the amount of sewage contributed by the surrounding cities and towns to the amount of sewage contributed by Boston. Exception to those figures was taken by the Metropolitan Sewerage Commission in a letter dated Jan. 11, 1896, but in place of a computation on the same basis as that adopted by the Superintendent of Streets, changed to correspond with their criticisms, they forwarded a table showing that if their sewerage system was combined with the system of Boston, and the expenses of construction and interest borne according to the ratio of the respective valuations, and the expenses for maintenance borne according to the ratio of respective populations, that the total yearly cost to them for the Charles-river sewerage would be \$62,000, and as their expenses, exclusive of any sum paid Boston, were then about \$31,000 per year, they intimated that Boston should charge them not more than the difference (\$31,000) between their existing expenses and their expenses under any combination which they could get the authority of the Legislature to form, irrespective of what it cost the city of Boston to dispose of their sewage.

As the Metropolitan Sewerage Commissioners were not willing to accept the amounts proposed by Boston, the Superintendent of Streets, Mr. B. T. Wheeler, forwarded them a letter, which they received, offering to leave the amount to be paid Boston to three disinterested men, viz.: F. P. Stearns, E. C. Clarke, Joseph P. Davis, and to abide by their decision. No acknowledgment of this proposal was made.

Without further correspondence with Boston, the Metropolitan Sewerage Commission recommended to the Legislature "that the main trunk sewer of the Boston main drainage system, from the point at Gainsborough street, in Huntington avenue where the Charles-river system now connects with the main drainage system, to its outlet of discharge at Moon Island, the pumping station, storage basins, and discharge plant and sewers, should be taken, controlled and operated by the Commonwealth."

On the election of the Hon. Josiah Quincy to the mayoralty of Boston, the Metropolitan Sewerage Commission addressed a letter to him, stating their readiness to secure a settlement of the amounts to be paid Boston for disposing of the sewage from the Charles-river system. At a conference with the Sewerage Commissioners, it was decided that the engineering departments of the contracting

parties should compute the amount of sewage contributed by the Charles-river system in order to determine the division of expenses. Accordingly studies were begun by the Metropolitan Sewerage Commission and the Boston Street Department. While these studies were in progress, the Metropolitan Sewerage Commission submitted a bill to the Chairman of the Committee on Metropolitan Affairs authorizing the Commonwealth to acquire the Boston main drainage system by purchase or otherwise. At a hearing appointed by that committee, a verbal agreement was made by the city of Boston with the Board of Metropolitan Sewerage Commissioners to accept the provisional amount of \$27,000 for disposing of the sewage from the cities and towns in the Charles-river system after it entered the Boston main sewer at Gainsborough street, Boston, during the year 1896; it being understood that any amount should be paid to the city of Boston or to the Board of Metropolitan Sewerage Commissioners according to the balance shown by the computations then being made by the engineering departments.

Meanwhile the Board of Metropolitan Sewerage Commissioners, in their report of 1896, requested the Legislature to pass an Act as before requested, authorizing the Commonwealth to take the Boston main drainage system.

A study of the sewage contributed and anticipated from the Charles-river system for sixteen years (1895 to 1910, inclusive) was first made. This involved an extended investigation of the population, water consumption and sewage of Waltham, Watertown, Newton, Brookline, Brighton, and the part of Boston above Gainsborough street. Whenever possible, the population for 1895 was obtained from advance sheets of the State census. After the second count and publication of the census, these figures were revised. In determining the water consumption, use was made of the best data possessed by the Metropolitan Water Board, the Boston Water Board, and the State Board of Health.

As it was expected that the Neponset-river system would be in operation by Jan. 1, 1898, a study of the cities and towns in that system was also conducted. Milton, Hyde Park, Dedham, part of West Roxbury, and part of Dorchester came properly within that system. The city of Quincy lies almost wholly without that watershed and connects its sewerage with the Boston system, at a point below the tunnel at Squantum Head. Quincy uses, therefore, only the portion of the Boston sewerage system from Squantum to the sea, consisting of the outfall sewer, the reservoirs and the outlet sewer. Although Quincy does not lie within the Metropolitan sewerage district, yet in view of the connection with the Boston system and its possible absorption by the State Commission, a study of its population, water consumption and sewage was made.

The final figures adopted by the Metropolitan Sewerage Commission and the Boston Street Department for the Charles and Neponset valleys are as follows:—

Population and Water Consumption of the Charles-river Valley System.

DISTRICT.	Year.	Population.	Average Daily Water Consumption, per capita. Gallons.	Total Daily Water Consumption. Gallons.
Waltham	{ 1895	20,876	59	1,222,000
	{ 1900	23,600	70	1,652,000
	{ 1905	28,300	75	2,122,000
	{ 1910	34,000	80	2,720,000
Watertown.....	{ 1895	7,788	40	312,000
	{ 1900	9,300	54	502,000
	{ 1905	11,200	58	650,000
	{ 1910	13,400	62	831,000
Newton.....	{ 1895	27,590	65	1,802,000
	{ 1900	33,700	70	2,359,000
	{ 1905	41,100	75	3,082,000
	{ 1910	50,100	80	4,008,000
Brighton.....	{ 1895	15,001	70	1,050,000
	{ 1900	19,500	72	1,404,000
	{ 1905	24,500	74	1,813,000
	{ 1910	30,700	76	2,333,000
Brookline.....	{ 1895	16,164	81	1,308,000
	{ 1900	20,200	88	1,778,000
	{ 1905	25,000	91	2,275,000
	{ 1910	31,000	94	2,914,000
Part of Boston.....	{ 1895	10,790	81	874,000
	{ 1900	16,500	86	1,419,000
	{ 1905	22,500	91	2,048,000
	{ 1910	30,000	95	2,850,000
Charles-river District..	{ 1895	98,209	67	6,568,000
	{ 1900	122,800	74	9,114,000
	{ 1905	152,600	79	11,990,000
	{ 1910	189,200	83	15,656,000

**Population and Water Consumption of the Neponset-river
Valley System.**

DISTRICT.	Year.	Population.	Average Daily Water Consumption per capita. Gallons.	Total Daily Water Consumption. Gallons.
Milton.....	{ 1895	5,518	24	133,000
	{ 1900	6,900	45	311,000
	{ 1905	8,600	50	430,000
	{ 1910	10,700	55	589,000
Hyde Park.....	{ 1895	11,826	41	482,000
	{ 1900	14,100	45	635,000
	{ 1905	16,600	50	830,000
	{ 1910	19,600	55	1,078,000
Dedham	{ 1895	7,211	57	411,000
	{ 1900	8,000	60	480,000
	{ 1905	9,500	63	599,000
	{ 1910	12,000	66	792,000
Part of W. Roxbury...	{ 1895	2,030	60	122,000
	{ 1900	4 000	63	252,000
	{ 1905	8,000	66	528,000
	{ 1910	13,000	69	897,000
Part of Dorchester....	{ 1895	7,343	60	441,000
	{ 1900	13,000	63	819,000
	{ 1905	18,000	66	1,118,000
	{ 1910	24,000	69	1,656,000
Neponset-river valley,	{ 1895	33,928	47	1,589,000
	{ 1900	46,000	54	2,497,000
	{ 1905	60,700	59	3,575,000
	{ 1910	79,000	63	5,012,000

The leakage, as determined by this division, was found to be about twenty-two gallons per capita per day, making the total amount of sewage from the Metropolitan sewer system as follows :—

Sewage from the Charles-river Valley System.

YEAR.	Population.	Average daily sewage per capita.	Total daily sewage discharge. Gallons.
1895	98,209	89	8,729,000
1900	122,800	96	11,816,000
1905	152,600	101	15,347,000
1910	189,200	105	19,819,000

Sewage from the Neponset-valley System.

1895	33,928	69	2,335,000
1900	46,000	76	3,509,000
1905	60,700	81	4,910,000
1910	79,300	85	6,750,000

The sewage contributed by Boston to the pumping station, together with that from the Metropolitan sewer system and the waste sea water from the manufactories constituted the total amount of sewage to be cared for.

The annual expense of disposing of the sewage was found to be \$1,465 per million gallons discharged daily.

Owing to the probable admission of the Neponset-river system in 1898 the maintenance account was divided into two parts : first, from 1895 to 1898; second, from 1898 to 1910.

The division of the expenses for disposal, according to the ratios of the respective populations for the period from 1895 to 1898 are given herewith.

DISTRICT.	Year.	Population.	Sewage.	By Population. Per cent.	Maintenance. Payment.
Charles-river system.....	1895	98,209	8,729,000	20.27	\$18,600
	1896	103,127	9,346,000	20.77	19,500
	1897	108,045	9,964,000	21.25	20,500
Boston, excluding East Boston.....	1895	386,200	50,592,000	79.73	73,100
Charlestown and Boston in	1896	393,220	51,509,000	79.23	74,500
C. R. V. and W. Roxbury in N. R. V. {	1897	400,240	52,431,000	78.75	75,800
Tributary to Dorchester pumping station	1895	484,409	62,621,000	100.00	91,700
	1896	496,347	64,155,000	100.00	94,000
	1897	508,285	65,695,000	100.00	96,300

NOTE.—Total sewage includes 3,300,000 gallons waste sea water.

On the admission of the Neponset system in 1898, a portion of the Boston territory will pass under the jurisdiction of the Metropolitan Sewerage Commissioners. The division of expenses for disposal during the period of 1898 to 1910, inclusive, is as follows:—

DISTRICT.	Year.	Popu-lation.	Sewage.	By Popu-lation. Per cent.	Mainte-nance. Payment.
Charles-river valley..... and Neponset-river valley.....	1898	154,133	13,620,600	27.29	\$28,000
	1899	161,465	14,472,800	28.64	29,000
	1900	168,800	15,325,000	29.25	31,000
	1905	213,300	20,257,000	32.88	39,000
	1910	268,500	26,569,000	36.55	49,000
Boston, excluding East Boston, Charlestown, and parts in C. R. and N. R. V.....	1898	396,521	51,944,000	72.01	73,000
	1899	402,409	52,716,000	71.36	74,000
	1900	408,300	53,487,000	70.75	75,000
	1905	435,700	57,512,000	67.12	80,000
	1910	466,100	61,991,000	63.45	86,000
Tributary to Dorchester pumping station.....	1898	550,654	68,865,000	100.00	101,000
	1899	563,874	70,489,000	100.00	103,000
	1900	577,100	72,112,000	100.00	106,000
	1905	649,000	81,063,000	100.00	119,000
	1910	734,600	91,860,000	100.00	135,000

NOTE.—Total sewage includes 3,300,000 gallons waste sea water.

The total cost of that part of the Boston improved sewerage system which is utilized in disposing of the sewage from the tributary territory in question, comprises the original cost, together with the interest on the cost, up to the date when the city began to use said system. The interest on the total cost, at four per centum per annum, was apportioned between the Charles and Neponset-river districts and the city of Boston according to the ratio of their respective valuations in agreement with the award of the Apportionment Commission.

As far as known, no forecast of the growth of the valuation of the various cities and towns has been made heretofore.

These valuation studies, ranging from the year 1861 to 1910, presented many difficulties and consumed considerable time. As far as possible the property valuations as set forth in the "Aggregate of Polls, Property, Taxes, etc.," as annually compiled by the Commonwealth, were used. The actual valuation of the portions of Boston tributary to the Metropolitan sewer system were deduced from a careful inspection of the assessors' books of the city of Boston.

The cost of that portion of the Boston main drainage works used by the Charles-river system was \$4,743,000; the interest upon which, borne according to the ratios of valuation, would be:—

Interest—1895-1898.

DISTRICT.	Year.	Valuation.	Per cent.	Interest. Payment.
Charles-river valley.....	1895	\$183,884,413	17.94	\$34,000
Boston, excluding East Boston and Charlestown portions, in C. R. V. and W. Roxbury, in N. R. V.....	1895	841,135,048	82.06	156,000
Tributary to Dorchester pumping sta- tion.....	1895	1,025,019,461	.....	190,000

The cost of the Dorchester interceptor, omitting the portion between Granite bridge and Central avenue, which the State proposes to buy, which drains the Neponset system, would bring the total cost of the Boston drainage works used by the Charles and Neponset-river systems to \$5,134,000, the interest upon which should be borne as follows:—

Interest—1898-1910.

DISTRICT.	Year	Valuation.	Per cent.	Interest. Payment.
Charles-river and Neponset-river val- leys.....	1898	\$232,226,534	21.78	\$45,000
	1900	284,400,000	22.35	46,000
	1905	341,000,000	24.24	50,000
	1910	400,000,000	25.61	53,000
Boston, excluding parts in C.R. & N.R. valleys, East Boston and Charles- town.....	1898	832,445,348	78.22	160,000
	1900	986,900,000	77.65	150,000
	1905	1,065,800,000	75.76	155,000
	1910	1,162,200,000	74.39	152,000
Tributary to Dorchester pumping sta- tion.....	1898	1,064,671,882	.....	205,000
	1900	1,271,300,000	.....	205,000
	1905	1,406,800,000	.....	205,000
	1910	1,562,200,000	.....	205,000

In a letter to the Metropolitan Sewerage Commissioners, dated Jan. 25, 1897, containing the above tables and a detailed account of their derivation, the Street Department stated that the amounts due Boston for disposing of the sewage from the Charles and Neponset systems, consisting of their proportionate share of the annual interest and the cost of maintenance and operation, were:—

For 1896	\$53,500	For 1900	\$77,000
“ 1897	54,000	“ 1905	89,000
“ 1898	73,000	“ 1910	102,000
“ 1899	74,000		

No acknowledgment of the receipt of this letter has been made to the Street Department.

The first hearing before the Committee on Metropolitan Affairs on the bill of the Board of Metropolitan Sewerage Commissioners to authorize the Commonwealth to take the part of the Boston main drainage works used by the State is set for an early date in the ensuing month. The officials of the city will strenuously oppose the taking of this plant by the State, for the reasons that have been enumerated previously in this report.

During the past year this division has been able to make large and extensive repairs on the pumping-station through the generosity of the government authorizing special loans for that purpose.

During the ensuing year this division will advocate the extension of the storage reservoirs at Moon Island, the increasing of the present pumping powers of the pumps that are at present in the station, and also of the designing of a 60,000,000 high-duty pump. With these additions made to the works, the city will then be in condition to handle its sewerage and that of the Metropolitan district for a number of years. In all probability the pumping plant at Cow Pasture, with these additions, will be as large as this plant will ever need to be, as it will then have a capacity of over 200,000,000 gallons a day. The city should proceed with the designing and constructing of what is known as the high level sewers, which were advocated at the time that this plant was put in, so as to relieve the pumps.

VENTILATION OF SEWERS.

The subject of the ventilation of our sewer system is one that has received considerable attention in the past, but no practicable scheme has yet been evolved. A plan was at one time proposed for drawing out the foul air from the sewers by means of a large fan, or fans, situated at or near the outlets of the systems; but it is evident that this plan would not be practicable, because the fan would be supplied with air which would rush in through the perforations in the covers of the manholes on the system nearest to the point where the fan was located, and little or no effect would be felt in the sewer system at points more distant. Now, these distant points, that is, the summits of the system, are precisely the points where ventilation is most needed.

At the present time the perforations in the manhole covers are depended upon to keep the sewers ventilated, and in the summer time this system works fairly well, the only complaint being from some very particular persons, who observe the perforated manhole cover opposite their dwelling, and imagine they are exposed to infectious diseases from the emanations from the sewer. These persons are usually quieted by replacing the perforated cover by a closed cover, and the majority of citizens make no complaints.

There are, however, a few cases in which citizens suffer serious annoyance, where their dwellings are situated near the highest points or terminals of the sewer system upon steep hillsides, because at these places, owing to the steepness of the grade of the sewer, more foul air is probably thrown out at the extreme upper manhole, and less out of the others along the line of the sewer, than is the case in more level country where the sewers are laid on flatter grades. But, however satisfactorily the system may work in the summer time, it is a total failure in the winter, when the perforations in the manhole covers are completely sealed by snow and ice. At such times the system is entirely unventilated, and when, owing to a

sudden rain or thaw, the sewers are quickly filled with water, and their gaseous contents consequently expelled, the latter are undoubtedly forced into the houses through the traps.

It is, therefore, very desirable that a better system should be devised for ventilating the sewers, and one which will work at all seasons of the year. Some channel for the egress of the foul air should be provided at all the terminal points, or so called "dead ends," of the sewer system, for the reasons which have been just mentioned. Now it is evident that no opening can be left in the surface of the street, neither can any column or shaft be erected in the middle of the street, where the sewers are usually situated. The only location in the street which seems to be available is the same as is usually occupied by electric light or trolley poles; namely, the strip just back of the curbstone on the sidewalk. I recommend that tall iron columns or poles should be erected in these locations, just back of the curbstone, which columns should be hollow and large enough to go above the roofs of the surrounding buildings; these high columns or shafts to be connected by a pipe with the sewers, and thereby always afford a free outlet for the foul air of the sewers. The objection to this is, of course, that they would not be ornamental, but they might be used for some other purposes, as, for instance, the support of electric arc lights, and therefore be rendered not quite so objectionable or conspicuous. In the residential districts of the city these would not be excessively high; and in the business portion, where the high buildings are situated, it might be possible to make connections with high chimneys, by permission of the owners or by paying for the privilege, which would serve the same purpose.

FINANCIAL STATEMENT.

Sewer assessments have been made by this division for the year ending Jan. 31, 1897, in accordance with chap. 402 of the Acts of 1892, and amendments thereto, to the amount of \$193,078.28, and the bills have been deposited for collection with the City Collector.

Bills for sewer assessments, amounting to \$4,317.71, have also been deposited for collection, representing those estates assessed under chap. 456 of the Acts of 1889, and amendments thereto, which have made connection with the public sewers during the year, making the total amount of assessments deposited for collection \$197,395.99.

There remains on the books of this division, at 5 per cent interest, \$28,546.64, representing the assessments under the Acts of 1889, and amendments thereto, for those estates which have not been connected with the sewers for which they were assessed, and bills for which will be deposited for collection as the connections are made. This sum represents 21.5 per cent of the total assessments made under those Acts.

Entrance fees to the amount of \$3,196.21 have been collected from estates upon which no sewer assessment was ever paid, in accordance with chap. 36, sect. 10, of the Revised Ordinances.

Permits have been issued to licensed drain-layers to make 2,631 connections with the public sewers, and the work done under these permits has been inspected, and a record of same made on the plans of this division.

The following tables and statements will show the amount of money expended and work done by this division during the year:—

Financial Statement.

APPROPRIATIONS.	Balances on hand Feb. 1, 1896.	Appropriations added during the year.	Total Credits.	Expenditures during the year.	Balances on hand Jan. 31, 1897.
Street Department, Sewer Division.....	* \$276,615 25	.....	\$276,615 25	\$276,615 25	
Laying Out and Construction of Highways.....	.....	\$435,538 20	435,538 20	435,538 20	
Blue Hill and other avenues.....	.....	143,759 89	143,759 89	143,759 89	
Back Bay outlet.....	.....	5,000 00	5,000 00	.....	\$5,000 00
Canal-street relief sewer.....	.....	25,000 00	25,000 00	7,537 97	17,462 03
Connections with Metropolitan sewer, Charles- town.....	.....	25,000 00	25,000 00	2,369 64	20,630 36
Connection with Metropolitan sewer, East Boston, D-street outlet and relief sewer, Dorchester avenue, South Boston.....	.....	25,000 00	25,000 00	5,874 33	19,125 67
Forest-avenue section, temporary sewer outlet, etc., Pumping-station improvements.....	17,116 65	23,000 00	23,000 00	.....	23,000 00
Sewer outlet, Porter street.....	.....	6,000 00	23,116 65	21,801 71	1,314 94
Sewer outlet (low level), West Roxbury district.....	.....	10,000 00	10,000 00	5,017 75	4,982 25
Sewers, South Boston.....	.....	16,000 00	16,000 00	.....	16,000 00
Sewer outlets, South Boston.....	7,824 64	.....	7,824 64	4,643 57	3,181 07
Shamrock-street outlet.....	877 51	.....	877 51	82 80	794 71
Storm sewers, Cornwall and Washington streets, Ward 22.....	.....	35,000 00	35,000 00	18,895 08	16,104 92
Stony-brook Improvement.....	.....	8,000 00	8,000 00	958 05	7,041 95
Totals.....	\$302,434 05	\$858,798 09	\$1,161,232 14	\$1,024,148 50	\$137,083 64

In addition to the above there was expended, on account of Paving Division, for catch-basins, culverts and sewers, necessitated by street construction, the sum of \$43,804.84; also for sewers, necessitated by the construction of South Union Station, \$1,847.02, making a total of \$1,074,800.36.

* Original appropriation.....\$280,000 00
 Less transferred.....3,384 75
 \$276,615 25

OBJECTS OF EXPENDITURE.

IMPROVED SEWERAGE.

Office Salaries	\$500 00
Pumping station, inside	44,863 02
Pumping station, outside	14,028 47
Engines and boilers	12,778 26
Main and intercepting sewers	12,935 39
Moon Island	13,459 76
Towboat	4,874 48
	<u>\$103,439 38</u>

PUMPING STATION, FOREST-AVENUE SECTION, DORCHESTER.

Building and machinery	\$13,797 42
Grading over gravity main	378 75
	<u>\$14,176 17</u>

STONY-BROOK CHANNEL.

Maintenance	\$15,003 78
Repairing Linden Park-street wall	170 20
Repairing Boylston-avenue bridge	427 03
Altering channel at Ruggles street	1,299 15
	<u>\$16,900 16</u>

STONY-BROOK IMPROVEMENT.

Section 5	\$33,298 33
Section 6	46,880 45
Section 7	141 59
Centre street and private land	2,081 58
Altering gate house	10,246 35
Office and engineers, salaries	2 383 36
Engineering expense	2,278 75
Land damages	898 80
Miscellaneous	<u>\$98,209 21</u>

MISCELLANEOUS.

Office expenses, including salaries of Deputy Superintendent, clerks and draftsmen, stationery, drawing materials, etc.	\$24,891 88
Engineering expenses, including salaries of engineers, instruments, etc.	58,778 70
Current expenses of yards and lockers	23,927 07
Current expenses of stables, including cost of horses, vehicles, harnesses, etc.	\$34,369 25
Less amount earned by department teams	9,413 00
	<u>24,956 25</u>
Repairing sewers	7,146 44
Cleaning and flushing sewers	8,211 19
Cleaning catch-basins	29,528 11
Repairing streets	286 62
Building, repairing and cleaning culverts and surface drains, not included in the Stony-brook system	16,792 35
Examining condition of sewers and catch-basins	4,065 81
Carried forward	<u>\$198,584 42</u>

<i>Brought forward</i>		\$198,584 42
Work for departments and others		2,347 38
House connections		4,965 19
Damages and claims		619 87
Holidays		8,962 07
Travelling and incidental expenses		5,552 87
Repairs of department buildings, stables and yards		579 97
Engines and boilers and repairs		231 18
General repairs		1,230 74
Smoke inspection		1,312 00
Balances on old contracts		724 60
Hardware, tools and blacksmithing not included elsewhere		8,790 01
Rubber goods, not included elsewhere		1,275 88
		\$235,176 18
Less over credit on water rates, charged off to sewer construction	\$6,133 51	
Less decrease in stock	1,015 54	
		7,149 05
		\$228,027 13

City Proper.

Sewers built between Feb. 1, 1896 and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Atlantic av.....	Congress st. and Pearl st.....	184.72	18-in., pipe.		\$1,308 99
Beach st.....	Harrison av. and Washington st.....	396.90	2 ft. 6 in. X 3 ft., brick.	Part rebuilding.....	4,804 43
Court st. and Bulfinch st.....	{ End of old sewer and Bulfinch pl.....	325.34	12-in., pipe.	.....	1,302 19
Central st.....	Atlantic av. and India st.....	218.00	5 ft. X 5 ft. 3/4 in., brick.	Rebuilding.....	7,496 37
Congress st.....	{ Atlantic av. and Sea wall.....	409.13	2 ft. 6 in. X 3 ft., brick.	Overflow sewer.....	7,665 85
Dundee st.....	{ Dalton st. and Massachusetts av.....	8.67	In tide-gate manhole.	Part rebuilding.....	.....
Endicott st. and Thacher st.....	{ End of old sewer and North Margin st.....	683.65	12-in., pipe.	.....	2,183 86
Falmouth st. and Norway st.....	{ Dalton street and Huntington av.....	498.80	2 ft. 8 in. X 4 ft., brick.	Rebuilding.....	11,693 83
Laconia st.....	{ Washington st. and Harrison av.....	175.24	2 ft. 6 in. X 3 ft. 3 in., brick.	Piles and rebuilding...	9,252 35
Malden st.....	{ Albany st. and Harrison av.....	238.97	2 ft. X 2 ft. 7 in., brick.	Rebuilding.....	879 00
North Market st..	{ Commercial st. and Merchants row.....	127.84	12-in., pipe.	.....	1,202 59
South Russell st..	{ Cambridge st. and Myrtle st..	81.30	12-in., pipe.	Paid for by Public Buildings Department.....	1,400 94
Tyler st.....	Oak st. and Curve st.....	304.05	12-in., pipe.	Contract. Rebuilding. (Rebuilding. Old sewer removed. Gravel refilling...)	21,252 92
Tyler st.....	Kneeland st. and Harvard st.....	470.30	2 ft. X 3 ft., brick.	Rebuilding piles.....	.....
Unity st. and Webster av....	{ Charter st. and Revere pl.....	7.50	20-in., iron pipe.	Rebuilding.....	892 33
		636.66	12-in., pipe.		
		325.95	2 ft. X 3 ft., brick.		
		288.97	2 ft. X 3 ft., brick.		
		19.80	20-in., iron pipe.		
		321.17	12-in., pipe.		

Sewers built between Feb. 1, 1896 and Feb. 1, 1897, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892, or Special Acts referring thereto.

Built in	Locality.	Length in Feet.	Dimensions and Material.	Remarks.	
Clinton st.	Commercial st. and Fulton st. {	163.45 50.83 28.00	12-in., pipe, sewer. 10-in., pipe, C. B. drain. 6-in., pipe, house drain. 3 catch-basins.	Contract	\$842 36
25 new catch-basins and drop-inlets built and 107 repaired					\$72,178 01
					6,085 48
					\$78,263 49

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Allston pl.....	Allston st., southerly.....	120.80	10-in., pipe.	Siphon at Washington st.
Dix pl.	Washington st., westerly.....	325.73	12-in., pipe.	
Eliot st.	Tremont st. and Park sq.	12.00	20-in., pipe.	
		1.00	15-in., pipe.	
Hanover st.....	Washington st. and Court st....	401.00	2 ft. X 3 ft., brick.	
		179.00	30-in., iron pipe.	
		30.00	20-in., pipe.	
		162.00	18-in., pipe.	
		97.00	15-in., pipe.	
		291.00	12-in., pipe.	
		149.00	10-in., pipe.	

City Proper.— Concluded.

Sewers built between Feb. 1, 1897 by Private Parties.

LOCALITY.		Length in feet.	Dimensions and Materials.	Remarks.
Built in	Between			
Haymarket sq.....		55.00	2 ft. 6 in. × 2 ft. 9 in., wood.	
Portland st.....		101.30	18-in., pipe.	
Shawmut av....		61.10	12-in., pipe.	
Tremont st.....		292.70	18-in., pipe.	
Trinity pl.....		238.50	12-in., pipe.	
Washington st....		125.50	10-in., pipe.	
		852.00	12-in., pipe.	
		949.00	10-in., pipe.	
		159.00	12-in., pipe.	
		28.00	2 ft., circular brick.	
		80.00	12-in., pipe.	
			8-in., pipe.	
Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.				
Summer st.....		174.00	3 ft. × 3 ft., wood.....	Extension of outlet. Part contract.
Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.				
Boston Common..		624.00	8-in., pipe.	
Park st and }		16.25	10-in., pipe.	
Tremont st.... }				

East Boston.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Border st.	Connection with Met. sewer, near Decatur st.	26.00	15-in., pipe.	1 sump manhole, 1 regulator manhole and overflow manhole.	\$2,375 42
Leyden st. and private land	Breed st. and Chelsea av.	373.58 518.68 472.30 200.40 502.80	30 in. X 36 in., brick. 24-in., pipe. 18-in., pipe. 15-in., pipe. 12-in., pipe.		17,092 57
Liverpool st.	Decatur st. and Central sq.	610.00	18-in., pipe.	285 ft. built by contract, Contract	2,241 88
Meridian st.	Condor st. and Chelsea bridge, ...	265.53	12-in., pipe.	1 sump manhole, 1 regulator manhole and 1 overflow manhole.	651 56
Meridian st.	Connection with Met. sewer at Condor st.	10.45 3.67	15-in., pipe. 12-in., pipe.		1,370 30
Porter st.	Connection with Met. sewer at Bremen st.	6.00 8.00	24-in., pipe. 20-in., iron pipe.	1 sump manhole and 1 regulator manhole.	3,567 86
Saratoga st.	Bennington st. and Austin av.	 2,997.41	.....	Built in 1895	1,023 20
9 new catch-basins and drop-inlets built and 40 repaired					\$28,322 79
					2,438 36
					\$30,761 15

Charlestown.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Alford st.....	Connection with Metropolitan Sewer.....	225.00	15-in. pipe.	1 sump manhole, 1 tide gate manhole.....	\$2,384 13
Chelsea st.....	Connection with Metropolitan Sewer at Vine st.....	120.76 24.02	4 ft. X 4 ft. 3 in., brick. 18-in., pipe.	Rebuilding	2,316 61
Parker st.....	Cambridge st. and Hadley st..	24.40	12-in., pipe.	Rebuilding.. ..	668 62
St. Martin st.....	Medford st. and Bunker Hill st.	107.60 528.10	1-in., pipe. 122-in., pipe.....	.....	1,403 04
6 new catch-basins and drop-inlets built, and repaired ...		1,029.88			\$6,772 40
					3,345 62
					\$10,118 02

South Boston.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

B and Seventh sts. outlet.....	Dorchester av. and South Bay, (Dorr-st. outlet, so called.)	{ 480.00 31.43	6 ft. 6 in., circular brick.	Rebuilding	\$18,475 58
D st. and Dorches- ter av. overflow.	Dorchester av. and South Bay,	{ 76.64 591.84	2 ft. 6 in., circular brick. 3 ft. 3 in., circular brick.	Rebuilding	5,799 35
D st.....	West First st. and West Sec- ond st.....	{ 62.73 33.63	3 ft. X 4 ft., wood. 2 ft. X 3 ft., brick.	Rebuilding	4,202 25
E st.....	Seventh st. and Eighth st.....	{ 244.42 171.00	4 ft. X 3 ft. 6 in., brick. 4 ft. X 4 ft. 3 in., brick.	Rebuilding	1,010 91
Private land along O. C. R.R.....	Jenkins st. and Boston pl.....	{ 290.51 251.03	24-in., pipe.	Rebuilding	1,529 30
Rawson st.....	Existing sewer and 125 feet easterly	{ 139.97	12-in., pipe.	13.70 ft. rebuilding. } 126.27 ft. new sewer. }	1,056 37
West Second st....	E st. and D st.....	{ 230.38	2 ft. X 3 ft., brick.	Rebuilding	2,406 67
Vinton st. outlet in private land.....	O. C. R.R. and tide water.....	{ 205.20 88.77	2 ft. X 3 ft., brick. 2 ft. 4 in. X 3 ft. wood.	Rebuilding	1,790 01
		2,897.55			\$36,270 44
11 new catch-basins and drop-inlets built and 75 repaired					4,611 05
					\$40,881 49

South Boston.—Concluded.*Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.*

LOCALITY.		Length in feet.	Dimensions and Material.	Remarks.
Built in	Between			
A st.....	Congress st. and N. Y. & N. E. R.R.....	723.83	12-in., pipe.	
L st.....	East Seventh st. and East Eighth st.....	255.22	12-in., pipe.	
		979.05		

Roxbury.*Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks	Expenditure during the fiscal year 1896-97.
Built in	Between				
Audubon road	Beacon st. and Brookline branch R.R.....	897.06	12-in., pipe.....		\$5,007 30
Beacon st.	Kenmore st. and Charlesgate west.....	50.00	15-in., pipe.....		122 13
Bickford st.	Bromley park and Centre st....	332.75	12-in., pipe.....		641 88

Columbus av.	Centre st. and Penryth st.	530.00	10-in., pipe.	Rebuilding. Cost shown under Stony-brook improvement }	17,471 69
Dorchester - Brook sewer	Norfolk av. and George st. ...	541.00	8 ft. 6 in. X 8 ft., brick.	Rebuilding.	1,233 78
Evergreen st.	Westerly from Day st.	442.85	12-in., pipe.	Rebuilding.	1,306 41
Flagg st.	Reed st. and Washington st. ...	275.85	10-in., pipe.	Rebuilding.	3,248 25
Gerard st.	Massachusetts av. and Norfolk av.	106.59	15-in., pipe.	Rebuilding.	14,197 62
Shawmut av., Roxbury st. and (child row)	{ Vernon st. and Dudley st. }	823.00	3 ft. 6 in. X 5 ft. 6 in., brick.	{ Rebuilding. }	
Hoffman st. and private land.	{ Lamartine st. and Stony-brook valley. }	16.00	2 ft. 2 in. X 3 ft. 3 in., brick.	{ Rebuilding. }	
Heath st.	Day st. and Lawn st.	402.40	12-in., pipe.	Built in 1895.	136 20
Kearsarge av.	Warren st. and Winthrop st. ...	243.96	12-in., pipe.	Built in 1895.	193 85
Munroe st.	Walnut av. and existing sewer, ...	278.70	2 ft. 6 in. X 3 ft., brick	Much rock.	2,841 90
Northampton st. ..	{ Albany st. and Fellows st. }	7.72	20-in., pipe.	{ Rebuilding. }	2,777 16
Old Heath st. and Parker st.	{ Columbus av. and New Heath st. }	729.15	3 ft. X 3 ft. 2½ in., brick.		9,467 40
Ward st.	{ Halleck st. and N. Y., N. H. & H. R. R. }	189.48	24-in., pipe.		7,950 91
Wensley st.	New Heath st. & Bickford av., ...	275.08	18-in., pipe.	Rebuilding.	1,402 98
Willow park	{ Shawmut av. and passageway, ... }	434.92	12-in., pipe.		2,743 37
West Roxbury low-level sewer	{ Existing sewer and Amory st., ... }	264.98	10-in., pipe.		565 01
		340.50	10-in., pipe.		
		22.00	10-in., iron pipe.		
		159.00	2 ft. X 3 ft. 6 in., brick.		4,585 75

Roxbury. — Concluded.

Severs built between Feb. 1, 1896, and Feb. 1, 1897, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892, or Special Acts referring thereto.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Audubon road	Beacon st. and Ivy st.....	{ 6.00 242.05 21.55 61.00 }	{ 18-in., pipe, sewer. 12-in., pipe, sewer. 10-in., pipe, C. B. drain. 8-in., pipe, house drain. 2 catch-basins. }	Contract.....	\$631 13
Abbottsford st.....	Walnut av. and Harold st.....	{ 796.78 19.67 15.85 }	{ 2 ft. 8 in. X 3 ft. 6 in., brick sewer. 16 in., iron pipe, sewer, in tide-gate manhole, and connection. }	Built in 1895..... Piles.	179 85
Boylston st.....	Brookline av. and Back Bay Fens.....	{ 17.10 618.30 789.90 263.50 219.60 515.10 }	{ 30-in., pipe, C. B. drain. 24-in., pipe, C. B. drain. 18-in., pipe, C. B. drain. 15-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 13 catch-basin. 11 drop inlets. }	Contract.....	21,464 02
Bay State road ...	Sherborn st. and Granby st....	.....	.....	Built in 1895.....	119 36

Fullerton st.....	Brookline av. and Fairhaven st.....	.....	Just begun, no measurement taken.....	85 20
Granby st.....	Commonwealth av. and Charles river.....	.....	Built in 1895.....	14 26
Ruggles st.....	Parker st. and Back Bay Fens	756.00 2 ft. 6 in. X 3 ft., brick sewer	Piles. (Contract.....	5,218 93
St. Alphonsus st....	Tremont st. and Calumet st....	.....	Built in 1895.....	618 16
Vancouver st.....	Ruggles st. and Huntington av.....	.....	Just begun, no measurement taken.....	159 33

Boulevards.

Columbus av., Sect. 1.....	Northampton st. and Franklin Park	4.00 200.00 240.00 .80	10-in., pipe, C. B. drain. 2 drop inlets. 15-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 2 ft. 6 in. X 3 ft., brick sewer.	Contract..... Day labor. Rebuilding.	\$2,816 55
Columbus av., Sect. 2.....	Northampton st. and Franklin Park	43.65 229.35 27.50 256.85	18-in., pipe sewer. 15-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain 10 catch basins. 3 drop inlets.	Contract.....	7,832 24

Boulevards.

LOCALITY.		Length in feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Columbus av., Sect. 3	Northampton st. and Franklin Park	278.50	3 ft. 6 in. X 3 ft. 8½ in., brick sewer	Piles.	\$16,895 19
		267.75	2 ft. 6 in., X 3 ft. brick sewer		
		10.80	3 ft. circular brick sewer.		
		11.20	3 ft. 6 in. X 4 ft. 4 in., brick sewer.		
		173.27	24-in., C.B. drain.		
		853.50	18-in., pipe, sewer.		
		173.27	18-in., pipe, sewer.		
		493.40	15-in., pipe, sewer.		
		172.87	15-in., pipe, C.B. drain.		
		1,338.49	12-in., pipe, sewer.		
Outlet through Terry st.		25.06	12-in., iron pipe.	Contract.....	\$16,895 19
		308.73	12-in., pipe, C.B. drain.		
		339.50	10-in., pipe, C.B. drain.		
		15.86	8-in., pipe, house drain		
		61.75	6-in., pipe, house drain.		
			13 catch basins.		
			3 drop inlets.	Converted into West Roxbury sewer.	
		708.00	Concreting invert in old conduit.		

Columbus av., Sect. 8.....	Northampton st. and Franklin Park.....	239.00 316.00	3 ft. 6 in. × 4 ft. 10 in., brick sewer. 2 ft. 4 in. × 3 ft. 6 in., brick sewer.	Contract, much rock. ...	\$3,750 42
Columbus av., Sect. 9.....	Northampton st. and Franklin Park.....	1,085.00 5.00 39.00	12-in., pipe sewer. 10-in., pipe, C. B. drain. 6-in., pipe, house drain. 1 catch-basin.	Built by day labor.....	3,654 56
Huntington av., “ “ “ “ “ “	Sect. 1 “ 2 “ 3 “ 4 “ 5 “ 6	6.00 22.00 261.00	10-in., pipe, C. B. drain. 8-in., pipe, house drain. 8-in., pipe, house drain.	Built by day labor.....	427 24 9,702 27 417 20 760 82 90 91 1,540 97
50 new catch-basins and drop-inlets built and 25 repaired.....					
					\$152,272 20
					6,724 08
					\$158,996 28

Surface drains built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions in Material.	Remarks.
Built in	Between			
Stony brook.....	Stony brook gate-house and Centre street.....	1,180.00	15 ft. 6 in. × 17 ft., brick	

Roxbury. — Concluded.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Bynner st.....	Jamaica Way and Day st.....	980.00	10-in., pipe.	Part rebuilding.
Calumet st.....	Hillside st. and Parker Hill av.	535.23	12-in., pipe.	
		683.30	10-in., pipe.	
		244.39	18-in., pipe.	
Centre st.....	Amory st. and Wise st.....	262.02	12-in., pipe.	Part rebuilding.
Harold-st. exten...	Walnut av. and Munroe st...	461.00	12-in., pipe.	
Lamarine st.....	Southerly from Centre st.....	180.56	12-in., pipe.	
Langdon st.....	Norfolk av. and George st....	597.65	18-in., pipe.	
Passageway.....	West of Parker st. near Boyl- ton st.....	51.28	12-in., pipe.	
Plant av.....	Parker st. and Bickford st....	169.02	12-in., pipe.	
Private land.....	Hillside st. and Calumet st...	239.00	10-in., pipe.	
Roswell st.....	Shirley st. and Langdon st...	175.38	12-in., pipe.	
<i>Surface drains built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.</i>				
Bynner st.....	Jamaicaway and Day st.....	940.00	15-in., pipe.	
		268.15	10-in., pipe.	

West Roxbury.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Angell st.	Blue Hill av. and Canterbury st.	937.40	12-in., pipe.	.....	\$1,355 84
Beech st.	Anawan and Newburg sts.	200.45	15-in., pipe	.....	2,988 68
Birch st.	Corinth and South sts.	1,445.99	12-in., pipe	.....	496 01
Bourne and Walk Hill sts.		275.15	12-in., pipe.	.....	
Centre st. and Louder's lane.	Patten st. and Hyde Park av. Existing sewer to summit in Louder's lane.	578.00	15-in., pipe.	.....	4,600 73
Centre st.	Boylston st. and Boylston ter.	499.08	12-in., pipe.	.....	1,384 91
Corey st.	Robinson st. & Lochsted st.	349.90	12-in., pipe.	.....	3,592 91
Corey st.	Pomfret and Montview sts.	182.00	15-in., pipe	85.80 cu. yds., ledge	1,842 42
Corey st.	Centre st. and 325 ft. westerly.	591.75	12-in., pipe	.....	1,522 27
Danforth st.	Existing sewer and Wymen st.	326.88	12-in., pipe	.....	1,257 25
Franklin pl.	Franklin pl. & Hyde Park av.	283.71	12-in., pipe	.....	1,183 85
Private land ..					
Hyde Park av.	Hyde Park av. & Florence st.				
Private land ..	.....				
Florence st.	Florence st. and Bourne st.	5,190.90	15-in., pipe	.....	22,763 34
Private land ..	To Canterbury st.	862.90	12-in., pipe.	.....	
Bourne st.	Bourne st. & Walk Hill st.				
Canterbury st.	About 1,400 feet southerly ..				
Walk Hill st.					

West Roxbury. — Continued.

Sewers built between Feb. 1, 1896 and Feb. 1, 1897 by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Hyde Park av.	Walk Hill st. & 1,040 ft. so'ly,	1,040 94	12-in., pipe	.....	2,345 48
Hewlett st.	Walter and Centre sts. ....	.....	.....	Built in 1895	316 64
Jamaicaway	Castleton and Perkins sts.	282 27	12-in., pipe	.....	2,728 26
Jamaicaway	Perkins and Pond sts. ....	.....	.....	Built in 1895	125 77
Kirk st. and Montview st. ....	.....	.....	.....	.....	.....
Landseer st.	Bellevue and Lagrange sts. ....	.....	.....	Built in 1895	558 03
Lamarine pl.	Off Lamarine st.	105 86	12-in., pipe	Built in 1895	80 64
Montview st.	Corey st. to Kirk st.	356 40	12-in., pipe	.....	219 39
Private land, Montview st. ....	.....	.....	.....	.....	926 95
zart, Selwyn, and Arundel sts.	Hewlett and Walter sts. and Centre st.	967 00	18-in., pipe	.....	5,688 99
Sedgwick st.	Outlet and 120 ft. easterly	118 47	12-in., pipe	.....	207 25
Wheaton sq.	Off Lamarine st.	29 00	18-in., pipe	.....	359 64
Willow st.	Weld st. and 750 ft. southerly.	.....	.....	Built in 1895	84 28
		14,624 23			
12 new catch-basins and drop-inlets built and 25 repaired					\$57,259 53
					1,434 74
					\$58,694 27

Surface Drains built between Feb. 1, 1896 and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Bourne st. and Walk Hill st.....	Patten st. and Hyde Park av. {	259.87	15-in., pipe.	
Cornwall st. and Washington st...	Stony brook and Forest Hills {	84.30	12-in., pipe.	
	st.	248.17	30-in., pipe.	
		719.65	24-in., pipe.	
<i>Surface Drains built between Feb. 1, 1896 and Feb. 1, 1897, by Private Parties.</i>				
Eldridge road.....	Hyde Park av. and Nathan road.....	411.25	20 in. X 30 in., brick.	
		118.75	12-in., pipe.	
		50 00	15-in., pipe.	
Hampsted road....	South st. and Parkway.....	376.00	12-in., pipe.	
		32.00	10-in., pipe.	
Nathan road.....	Eldridge road and Patten st...	573.08	20-in., pipe.	
Patten st.....	Bourne st. and Hyde Park av.	471.35	12-in., pipe.	
Road No. 8.....	Eldridge road and 150 ft. southerly.....	100.00	12-in., pipe.	
Wachusett st.....	Eldridge road and Walk Hill st.....	542.45	12-in., pipe.	

West Roxbury.— *Concluded.*
Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

LOCALITY		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Aldrich st.....	Beech st. and about 350 ft northeasterly.....	333.85	12-in., pipe.	
Aldworth st.....	Centre st. and Vane st.....	814.48	12-in., pipe.	
Barbara st.....	Off Centre st.....	359.48	12-in., pipe.	
Crest st.....	Kirk st. and Mt. Vernon st....	431.42	12-in., pipe.	
Colburg av.....	Beech st. and Montello st....	521.10	12-in., pipe.	
Eldridge road.....	Hyde Park av. and Nathan road.....	597.62	12-in., pipe.	
Hampsted road....	South st. and Parkway.....	1,056.00	8-in., pipe.	
Houston st.....	Montview st. and Crest st....	272.85	12-in., pipe.	
Keyes st.....	Washington st. and Stony Brook.....	223.60	6-in., pipe.	
Lorraine st.....	Colberg av. and 275 feet north- erly.....	275.22	12-in., pipe.	
Lochstead av.....	Centre st. toward Spring st....	54.91	12-in., pipe.	
Nathan road.....	Eldridge road and Patten st....	462.79	12-in., pipe.	
Patten st.....	Bourne st. and Hyde Park av....	471.35	12-in., pipe.	
Road No. 8.....	Eldridge road and 150 feet southerly.....	125.20	12-in., pipe.	
Rodman st.....	Wachusett st. and Patten st....	608.78	12-in., pipe.	
Wachusett st.....	Eldridge road and Walk Hill st.	542.45	12-in., pipe.	

Culverts built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

Hyde Park av.	At Eldridge road.		55.80	{ 4 ft. 6 in X 5 ft., stone culvert, with brick arch.
Dorchester.				
Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.				
LOCALITY.		Length in Feet.	Dimensions and Material.	Expenditure during the fiscal year 1896-97.
Built in	Between			
Adams st.	King st. and Lonsdale st.	116.23	30-in. X 36-in., brick.	Some rock.
Bowdoin st.	Quincy st., about 150 ft. southerly.	185.20		
Chapman av.	Lyons st and private land ...	33.40		
Private land.	Chapman av. and Lauriat av. ..	674.00		
Dorchester av.	Washington st. and Richmond st.	909.84		
Lawrence av.	Existing sewers.	44.00	{ 12-in., pipe. 24-in., brick. 24-in., pipe. 24-in., pipe. 18-in., pipe.	All rock.
Lyons st.	Chapman av. and Franklin Field.	640.41		
Franklin Field.	Lyons st. and Talbot av.	107.85		
Forest av., trunk sewer, Sect. 2, in Norfolk st.		1,109.36		
Private land.		38.63		
Morton st.		36.73	{ 12-in., pipe. 12-in., pipe. 30-in., Akron pipe. 30-in., iron pipe. 30-in., brick.	Some rock.
	Ballou av. and Private pl.			
	Norfolk st. and Morton and Evans st.	292.00		
	Evans st. and Selden st.			
			15-in., pipe.	Much rock.
				1,586 20

Dorchester.—*Continued.*
Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Parkway.....	Pond st. and Dorchester av...	430.97	12-in., pipe.	.....	\$2,437 72
Private land.....	Lawrence av. and Stanwood st.	{ 1,300.00	15-in., pipe.	.....	10,170 49
		48.00	12-in., pipe.	.....	
Robinson st.....	Adams st. and Draper st.....	.....	.....	Built in 1895.....	309 29
Rosemont st.....	Dorchester av. and Samoset st.	.....	.....	Built in 1895.....	494 36
Richmond st.....	Dorchester av. and Washing-	{ 256.63	12-in., pipe.	.....	1,708 73
	ton st.....	28.00	8-in., pipe.	.....	
Shamrock st., outlet	Freeport st. and tide water...	.....	.....	Just begun, no measure-	1,018 94
		.....	.....	ment taken.....	
Shawmut Park, pro-	Lonsdale st. and Templeton st.	{ 392.89	18-in., pipe.	.....	6,069 61
posed extension.		198.50	12-in., pipe.	.....	
Edwin st.....	Adams st. and Dorchester av..	1,237.99	12-in., pipe.	.....	
Templeton st.....	Adams st. and existing sewer.	{ 432.05	15-in., pipe.	.....	
		1,167.38	12-in., pipe.	.....	
Stoughton st.....	Salcombe st. and Sumner st...	{ 620.04	12-in., pipe.	.....	929 21
					
<i>Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.</i>					
Washington st.....	Dorchester intercepting sewer and Miller's lane.....	453.60	12-in., pipe	Considerable rock.....	\$1,261 26
Washington st.....	{ Dorchester Lower Mills, } main sewer and Fair- } mount st.....	{ 442.49 1,279.59	{ 15-in., pipe 12-in., pipe	{ Very much rock.....	{ 4,418 75
Forest av., trunk sewer, Sect. 1, in Willowood st..	Lauriat av. and Ballou av....	{ 865.49 336.00	{ 18-in., pipe 15-in., pipe	{ Very much rock.....	{ 4,679 41
Ballou av.....	Willowood st and Norfolk st.	158.00	15-in., pipe	.....	

Chamberlain st....	Harvard st. and Algonquin st.....	148.15 403.00 64.00	12-in., pipe sewer. 6-in., pipe, house drain. 10-in., C. B. drain. 5 catch-basins.	Contract.	\$910 77
Fenelon st.....	Merrill st. and Washington st.....	36.68 180.00 36.50	12-in., pipe sewer. 6-in., pipe, house drain. 10-in., pipe, C. B. drain. 3 catch-basins.	Contract.	648 78
Gaylord st.....	Washington st. and Chamberlain st.....	324.60 403.00 38.00	12-in., pipe sewer. 6-in., pipe, house drain. 10-in., pipe, C. B. drain. 2 catch-basins.	Contract.	927 93
Geneva av.....	{ Park st. and Dorchester av.	421.34 621.00 244 60	12-in., pipe sewer. 6-in., pipe, house drain. 15-in., pipe, C. B. drain.	Contract.	4,597 48
Park st.....	{ Dorchester av. and Geneva av.....	170.14	12-in., pipe, C. B. drain. 3 catch-basins.	Contract.	
Greenbrier st.....	Bloomfield st. and Bowdoin st.....	33.75 35.00 146.50	12-in., pipe sewer. 6-in., pipe, house drain. 10-in., pipe, C. B. drain. 7 catch-basins	Some rock. Contract.	1,674 01

Dorchester. — *Continued.*

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 408 of the Acts of 1892, or Special Acts referring thereto.

LOCALITY.		Length in feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Josephine st.....	Geneva av. and Ditson st.....	29.02 627.27 1,186.80 2,570.00 50.85 654.34 125.15 69.49	 18-in., pipe sewer. 15-in., pipe sewer. 12-in., pipe sewer. 6-in., pipe, house-drain. 15-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 6 catch-basins. 5 drop-inlets. 8 ft. X 8 ft., stone culvert.	Built in 1895.....	\$60 18
Lauriat av.....	Blue Hill av. and Tucker st.....	61.80 52.42 58.50	8 ft. X 6 ft. 8 in., stone culvert. 4 ft. X 4 ft., stone culvert. 24-in., pipe culvert.	Contract. Much rock..	12,193 92
Morse st.....	Washington st. and Bowdoin av.....	42.00 159.00	10-in., pipe, C. B. drain. 6-in., pipe, house-drain. 2 catch-basins.	Contract.....	375 26
Wilder st.....	Geneva av. and Washington st.....	455.00 122.97 20.74 20.00	6-in., pipe, house drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 4 catch-basins. 1 drop-inlet. 24-in., pipe culvert	Contract.....	1,101 93

Wolcott st.	Erie and Columbia sts.	301.00 234.95 152.15 372.60 52.18	6-in., pipe, house drain. 30-in., pipe, C. B. drain. 24-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 3 catch-basins. 2 drop-inlets. 24-in., pipe sewer. 18-in., pipe sewer. 15-in., pipe sewer. 12-in., pipe sewer. 6-in., pipe, house drain. 18-in., pipe, C. B. drain. 15-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 14 catch-basins. 2 drop-inlets. 24-in., pipe culvert. 12-in., pipe sewer. 18-in., pipe, C. B. drain. 15-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 6 catch-basins. 2 drop-inlets. 24-in., pipe culvert. 12-in., pipe sewer. 10-in., pipe, C. B. drain. 8-in., pipe, C. B. drain. 12-in., pipe sewer. 12-in., pipe, C. B. drain. 10-in., pipe, C. B. drain. 3 catch-basins. 2 drop-inlets.	Contract. Much rock..	2,870 89
Blue Hill av.	Section One (1)	398.63 113.79 27.00 498.16 438.00 59.80 112.20 212.90 141.80	..... ..... ..... ..... ..... ..... ..... ..... .....	Contract. Very much rock.....	11,503 26
Blue Hill av.	Section Two (2) and part of Section Three (3)	1.42 1,092.50 116.60 243.00 396.20 164.70	..... ..... ..... ..... ..... .....	All rock. Contract.	8,319 85
Blue Hill av.	Section Four (4) and part of Section Three (3)	113.00 775.00 52.00 5.00	..... ..... ..... .....	Contract. Considerable rock.....	1,590 22
Blue Hill av.	Section Five (5) .....	.....	.....	Built in 1895.....	192 34
Blue Hill av.	Section Six (6) .....	.....	.....	Built in 1895.....	315 24
Blue Hill av.	Section Seven (7)	295.70 287.16 64.66	..... ..... .....	Contract. All rock.	2,467 47

Dorchester.—*Continued.*

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892, or Special Acts referring thereto.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Blue Hill av.	Section Eight (8)	1,327.91	12-in., pipe sewer.	Built in 1895.	\$104 63
Blue Hill av.	Section Nine (9)	283.46	12-in., pipe, C. B. drain.	Contract.	1,832 69
Blue Hill av.	Section Ten (10)	58.68	10-in., pipe, C. B. drain.		
Blue Hill av.	Section Eleven (11)		2 catch-basins.		
Blue Hill av.	Section Twelve (12)		2 drop-inlets.	Built in 1895.	4,359 27
				Built in 1895.	180 66
				Built in 1895.	214 91
Blue Hill av.	Section Thirteen (13)	1,934.77	12-in., pipe, sewer.	Contract. Very much rock.	5,202 88
		40.52	20-in., pipe, C. B. drain.		
		400.80	18-in., pipe, C. B. drain.		
		457.90	15-in., pipe, C. B. drain.		
		266.42	12-in., pipe, C. B. drain.		
		167.65	10-in., pipe, C. B. drain.		
			8 catch-basins.		
			5 drop-inlets.		
		944.88	12-in., pipe, sewer.		
		313.20	18-in., pipe, C. B. drain.		
		78.55	15-in., pipe, C. B. drain.		
		25.43	12-in., pipe, C. B. drain.		
Blue Hill av.	Section Fourteen (14)	69.21	10-in., pipe, C. B. drain.	Contract. Very much rock.	3,384 13
			2 catch-basins.		
			2 drop-inlets.		

Blue Hill av.	Section Fifteen (15)	143.10	18-in., pipe, sewer.	Contract. All rock.	6,756 81
		429.06	15-in., pipe, sewer.		
		845.15	12-in., pipe, sewer.		
		136.40	15-in., pipe, C. B. drain.		
		447.05	12-in., pipe, C. B. drain.		
Blue Hill av.	Section Sixteen (16)	162.63	10-in., pipe, C. B. drain.	Contract.	3,197 23
			6 catch-basins.		
			2 drop-inlets.		
		362.77	18-in., pipe, C. B. drain.		
		422.10	15-in., pipe, C. B. drain.		
Blue Hill av.	34 new catch-basins and drop-inlets built and 19 repaired.	136.35	2 catch-basins.		\$153,200 69
			4 drop-inlets.		
			30-in., pipe, culvert.		
		39,822.97			

Dorchester.—*Continued.**Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Columbia st.....	New Seaver st. and Hewins st.	137.00	24-in., pipe.	
New Seaver st.....	Blue Hill av. and Columbia st.	712.70	24-in., pipe.	
Dorchester av.	Washington st. and Richmond st.....	308.11	15-in., pipe.	
		245.13	12-in., pipe.	
Edwin st.....	Adams st. and Dorchester av..	395.00	15-in., pipe.	
		98.30	12-in., pipe.	
Templeton st.....	Adams st. and existing sewer.	315.00	15-in., pipe.	
		212.00	12-in., pipe.	
Private land.....	Lawrence av. and Stanwood st.	871.00	4 ft. 6-in., circular brick.	
Richmond st.....	Dorchester av. and Wash- ton st.....	114.00	4 ft., circular brick.	
		221.56	12-in., pipe.	
<i>Culverts built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.</i>				
Centre st.....	About 230 ft. west of Adams st.	61.50	6 ft. X 5 ft. 6 in., stone.	
Charles st.....	Ditson st. and Geneva av.	39.90	4 ft. X 6 ft. 6 in., concrete.	
Dix st.....	Adams st. and Dorchester av..	23.00	6 ft. X 7 ft., stone.	
		18.10	6 ft. X 6 ft., stone.	
Morton st.	Selden st. and N. E. R. R.	45.00	18-in., pipe.	
		23.42	6 ft. X 7 ft. 2½ in., stone.	
Parkman st.....	Adams st. and Dorchester av..	18.08	6 ft. X 6 ft., stone.	
		229.00		

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

Atherstone st.	Fuller st. and Bailey st.	295.32	10-in., pipe.
Barry-st. ext.	Clarkson st. and Barry st.	469.72	12-in., pipe.
Clarkson st.	Barrington st. and Barry-st. ex.	571.85	12-in., pipe.
Becket st.	Codman st. and Van Winkle st.	339.56	12-in., pipe.
Castle Rock st.	Grampian Way and Woodland av.	1,103.57	12-in., pipe.
Devon st.	Columbia st. and Cheever Newhall estate	664.70	12-in., pipe.
Edison Green	Dorchester av. and Pond st. ...	1,284.12	12-in., pipe.
Fairmount st.	Washington st and Milton av.	202.46	12-in., pipe.
Gibson-st. ext.	Brook-st. intercepting sewer and Adams st.	816.00	12-in., pipe.
Greenbrier st.	Bloomfield st. and Park st. ...	135.35	12-in., pipe.
Half Moon st.	Magnolia st. and Hooper av. ...	323.09	12-in., pipe.
Holiday st.	Geneva av. and Toplift st.	27.50	10-in., pipe.
Hooper av.	Magnolia st. and Hartford st. ...	499.38	12-in., pipe.
Kerwin st.	Talbot av. and Bernard st.	575.50	12-in., pipe.
Learned st.	Norfolk st. and Torrey st.	599.50	12-in., pipe.
May st.	Greenwood st. and Glenway st.	305.95	12-in., pipe.
Moultrie av.	Seaborn st. and Allston st.	328.32	12-in., pipe.
Phipps av.	Existing interceptor, 250 ft. easterly	249.75	12-in., pipe.
Ramsey st.	Hamlet st. and Dudley st.	318.20	12-in., pipe.
Russell park.	Corona st. and Westville st. ...	185.65	12-in., pipe.
Slepton st.	Shawmut park and Denver st.	656.50	12-in., pipe.
Spencer st.	Wheatland av. and Talbot av. ...	424.70	12-in., pipe.
Stanley-st. ext.	Bellevue st. and Quincy st.	247.30	12-in., pipe.

Dorchester. — Concluded.*Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Thacher road.....	Stoughton st. and Cushing av.....	775.88	12-in., pipe.	
Upham st.....	Hancock st. and Cushing av., Nevada st. and Milton av.....	298.10	10-in., pipe.	
Wilmington av.....	Wilmington av. and Fairmount st.....	624.27	12-in., pipe.	
Milton av.....		276.10	12-in., pipe.	

Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

Greenbrier st.....	Bloomfield st. and Park st....	237.17	15-in., pipe.	
		504.83	12-in., pipe.	
		80.70	10-in., pipe.	
Ponemah st.....	Blue Hill av. and Duke st....	25.20	12-in., pipe.	
		70.45	10-in., pipe.	
Ormond st.....	Ponemah st. and Duke st....	51.10	10-in., pipe.	
		1,029.45		

Brighton.

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Allston square.....	Commonwealth av. and Allston st.....	222.60	12-in., pipe.	150 cubic yards ledge...	\$3,233 15
Cambridge st.....	Cambridge terrace and Allston Heights.....	725.57	10-in., pipe.		
Cambridge st.....	Eleanor st. and Dustin st.....	168.90	12-in., pipe.....	161 cubic yards ledge...	814 93
Etna st.....	North Beacon st. and Elmira st.....	659.40	12-in., pipe.....	206 cubic yards ledge...	1,624 35
Elmira st.....	Market st. and Murdock st.....	970.20	12-in., pipe.....	.....	2,372 12
Everett st.....	Existing sewer and North Beacon st.....	.....	.....	Built in 1895.....	613 58
Hobart st.....	Brooks st. and Summit st.....	185.10	10-in., pipe.	Contract.....	787 40
Hobart st.....	Faneuil st. and Summit st.....	350.01	12-in., pipe.	Contract.....	4,082 77
Holton st.....	Everett st. and Athol st.....	817.56	12-in., pipe.	Contract.....	876 70
Holmes av.....	Harvard av. and Warren st.....	261.23	15-in., pipe.		
Mt. Vernon av.....	Rockland st. and end of av.....	475.00	12-in., pipe.	Contract.....	6,989 80
Murdock st.....	Sparhawk st. and Cambridge st.....	650.42	18-in., pipe.		
North Harvard st..	Western av. and Charles river,	794.89	15-in., pipe.	Contract.....	2,119 37
North Harvard st..	Coolidge road and Hopedale st.....	378.20	10-in., pipe.		
Private land and Newton st.....	Parkman st., Brooks st. and Bigelow st.....	420.90	12-in., pipe.	Contract.....	12,164 17
		177.18	12-in., pipe.		
		514.25	24-in., pipe.	Contract.....	1,379 12
		1,035.05	18-in., pipe.		
		349.79	15-in., pipe.	Contract.....	4,009 40
		700.03	12-in., pipe.		
		347.97	15-in., pipe.	Contract.....	
		152.25	12-in., pipe.		
		297.00	20-in., double thick pipe.	Rebuilding.	
		199.58	18-in., pipe.		
		525.42	15-in., pipe.		
		245.00	12-in., pipe.		

Brighton. — Continued.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.	Expenditure during the fiscal year 1896-97.
Built in	Between				
Private land, Parkman, Brooks and Bigelow sts.	Metropolitan main sewer and Webster st.	{ 124.82 757.21 870.51 395.74 }	{ 2 ft. 4 in. x 3 ft. 6 in., brick. 20-in., pipe. 18-in., pipe. 12-in., pipe. }	.....	\$13,801 80
Rockland st.	Mt. Vernon st. and Mt. Vernon av.	289.49	12-in., pipe.	Contract.	2,019 01
Rockland st.	Mt. Vernon av. and Jackson st.	45.00	12-in., pipe.	Contract.	23 31
School st.	Market st. and Portsmouth st., 18° west of Everett st. and Waverley st.	{ 574.96 682.10 280.53 279.38 }	{ 12-in., pipe. 3 ft. x 3 ft. 2 in., brick. 2 ft. 6 in., circular brick. 15-in., pipe. }	.....	1,156 62
Western av. ....				.....	6,675 81
Washington st.	Oak sq. and Newton line. ....	.....	.....	Built in 1895.	1,041 26

Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892, or Special Acts referring thereto.

Brighton av., Sect. 1. ....	.....	.....	.....	Built in 1895.	\$115 86
Brighton av., Sect. 2. ....	.....	.....	.....	Built in 1895.	115 71
Chestnut Hill av.	Beacon st. and Commonwealth av.	{ 315.00 481.00 }	{ 10-in., pipe sewer. 18-in., pipe, C. B. drain. }	Outlet for Commonwealth av., Sects. 1 and 2. Contract.	2,890 92

Commonwealth av., Sect. 1.....	.....	.....	.....	.....	303 27
Commonwealth av., Sect. 2, north side.....	Chestnut Hill av. and Newton line.....	* 8.81	10-in., pipe sewer.	.....	1,030 69
Commonwealth av., Sect. 2, south side.....	.....	.....	.....	.....	25 46
Commonwealth av., Sect. 3.....	Chestnut Hill av. and Newton line.....	548.37	10-in., pipe sewer.	Contract	1,809 18
Commonwealth av., Sect. 4.....	.....	.....	.....	.....	152 81
Commonwealth av., Sect. 5.....	Chestnut Hill av. and Newton line.....	{ 487.63 77.50 199.00 }	{ 10-in., pipe sewer. 10-in., pipe, C. B. drain. 12-in., pipe, C. B. drain. 2 catch-basins. 2 drop-inlets. }	Contract.....	2,583 91
Commonwealth av., Sect. 6.....	.....	.....	.....	.....	12 09
Commonwealth av., Sect. 7.....	Chestnut Hill av. and Newton line.....	278.50	10-in., pipe sewer.	Contract.....	1,305 04
Commonwealth av., Sect. 8.....	.....	.....	.....	.....	43 76
Commonwealth av., outlet in private land.....	Lake st. and Commonwealth av.	{ 130.00 60.00 }	{ 2 ft. 6 in., circular brick. 18-in., pipe. }	Contract.....	188 91
Harvard av.....	Commonwealth av. and Brook- line line.....	.....	.....	Built in 1895.....	139 96
14 new catch-basins and drop-inlets built and 51 repaired.....					\$76,851 03
					1,609 89
					\$78,460 92

Brighton.— *Concluded.*

Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Allston sq.....	Across Commonwealth-av. outlet, for Allston sq., surface drain.....	159.57	15-in., pipe.	
Hobart st.....	Faneuil st. and Brooks st.....	388.59	18-in., pipe.	
Holmes av.....		393.85	12-in., pipe.	
North Harvard st..		52.00	10-in., pipe.	
North Harvard st..	Harvard av. and Warren st....	250.00	18-in., pipe.	
North Harvard st..	Western av. and Charles river.	600.00	12-in., pipe.	
North Harvard st..	Western av. and Spurr st.	1,449.34	24-in., pipe.	
		498.40	18-in., pipe.	
		161.95	18-in., pipe.	

Culverts built between Feb. 1, 1896, and Feb. 1, 1897, by the City, either by Contract or Day Labor.

Holmes av.....	Harvard av. and Warren st....	55.85 50.05 64.32	5 ft. × 6 ft., concrete cul- vert 5 ft. 4 in. × 3 ft. 4 in., concrete culvert. 18-in., pipe culvert.....
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Sewers built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

				Rebuilt by Metropolitan Water Board.
Commonwealth av.,	St. Paul st. and 235 ft. easterly,	235.12	12-in., pipe.	
Cypress road.....	Etna st. and George st.....	233.47	12-in., pipe.	
Griggs pl.....	Webster av. and Allston st..	413.32	12-in., pipe.	
Strathmore road	Beacon st. and Sutherland	188.14	12-in., pipe.	
and Orkney road	road.....	591.69	10-in., pipe.	
Webster av.....	Griggs pl. and Webster st....	126.10	12-in., pipe.	

Surface Drains built between Feb. 1, 1896, and Feb. 1, 1897, by Private Parties.

Orkney road	Strathmore road and Sutherland road	281.00	10-in., pipe.
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Work done for and paid by Paving Division, including the following class of work. Building and repairing culverts, surface drains, catch-basins and sewers.

Commonwealth avenue	.	.	.	.	.	\$226 92
Congress and L streets	.	.	.	.	.	7,608 17
McLellan street	.	.	.	.	.	772 90
Talbot avenue	.	.	.	.	.	107 34
Street Improvements, Ward 1	.	.	.	.	.	1,653 97
" " " 2	.	.	.	.	.	869 67
" " " 3, old	.	.	.	.	.	615 24
" " " 3, new	.	.	.	.	.	556 29
" " " 4, new	.	.	.	.	.	2,821 71
" " " 5, new	.	.	.	.	.	678 53
" " " 6	.	.	.	.	.	289 47
" " " 7	.	.	.	.	.	879 77
" " " 8	.	.	.	.	.	382 05
" " " 9	.	.	.	.	.	912 21
" " " 10	.	.	.	.	.	1,024 82
" " " 11	.	.	.	.	.	752 37
" " " 12, new	.	.	.	.	.	408 90
" " " 13, old	.	.	.	.	.	241 60
" " " 14	.	.	.	.	.	797 14
" " Wards 14 and 15	.	.	.	.	.	5,310 32
" " Ward 16, new	.	.	.	.	.	1,716 59
" " " 17	.	.	.	.	.	1,609 32
" " " 18	.	.	.	.	.	920 49
" " " 19	.	.	.	.	.	1,500 20
" " " 20, old	.	.	.	.	.	301 51
" " " 20, new	.	.	.	.	.	1,202 14
" " " 21	.	.	.	.	.	1,262 36
" " " 22	.	.	.	.	.	811 96
" " " 23	.	.	.	.	.	2,341 56
" " " 24, old	.	.	.	.	.	1,824 38
" " " 24, new	.	.	.	.	.	7,904 94
" " " 25	.	.	.	.	.	500 00

\$48,804 84

RECAPITULATION.

NEW SEWERS.

South Boston	.	.	.	.	\$36,270 44
East Boston	.	.	.	.	28,322 79
Charlestown	.	.	.	.	6,772 40
Brighton	.	.	.	.	76,851 03
West Roxbury	.	.	.	.	57,259 53
Dorchester	.	.	.	.	153,260 69
Roxbury	.	.	.	.	152,272 20
City Proper	.	.	.	.	72,178 01
					\$583,187 09
<i>Carried forward</i>	.	.	.	.	
					\$583,187 09

Brought forward \$583,187 09

CATCH-BASINS.

South Boston	\$4,611 05	
East Boston	2,438 36	
Charlestown	3,345 62	
Brighton	1,609 89	
West Roxbury	1,434 74	
Dorchester	4,612 00	
Roxbury	6,724 08	
City Proper	6,085 48	
		30,861 22
Improved Sewerage Maintenance		103,439 38
Pumping Station, Chapman avenue		14,176 17
Stony Brook, Maintenance		16,900 16
Stony Brook Construction		98,209 21
Miscellaneous		228,027 13
		<u>\$1,074,800 36</u>

**Summary of Sewer Construction for the Twelve Months
ending Jan. 31, 1897.**

DISTRICT.	Built by the City by Con- tract or Day Labor.	Built by Private Parties.	Total length built during the 12 months ending Jan. 31, 1897.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
City	6,145.24	5,536.68	11,681.92
East Boston.....	2,997.41	.....	2,997.41
Charlestown	1,029.88	.....	1,029.88
South Boston	2,897.55	979.05	3,876.60
Roxbury	21,083.43	5,787.58	26,871.01
West Roxbury	15,936.22	9,825.98	25,762.20
Dorchester	43,452.77	13,627.79	57,080.56
Brighton	22,465.75	2,068.84	24,534.59
Total.....	116,008.25	37,825.92	153,734.17

122 catch-basins, built by contract.

50 drop inlets, built by contract.

168 catch-basins, built by day labor.

381 catch-basins, repaired by day labor.

6 drop inlets, built by day labor.

16 manholes built,

262 manholes repaired.

557,311 linear feet sewers flushed.

423.55 cubic yards material removed from sewers.

6,041 catch-basins cleaned.

20,327 $\frac{1}{2}$ cubic yards material removed from catch-basins.

474 feet culverts built.

There are now 444.47 miles of sewers in charge of the Sewer Division.

The amount expended by this division during the twelve months ending Jan. 31, 1897, including the amount spent under special appropriations, was \$1,074,800.36.

Schedule of Sewers built to date in the City of Boston.

DISTRICTS.	Total length built during 12 months ending Jan. 31, 1897.	Length rebuilt during 12 months ending Jan. 31, 1897.	Additional length for 12 months ending Jan. 31, 1897.	
			<i>Feet.</i>	<i>Miles.</i>
City.....	11,681.92	5,997.00	5,684.92	1.08
East Boston.....	2,997.41	.....	2,997.41	.57
Charlestown.....	1,029.88	107.60	922.28	.17
South Boston.....	3,876.60	2,771.28	1,105.32	.21
Roxbury.....	26,871.01	3,434.73	23,436.28	4.44
West Roxbury.....	25,762.20	.....	25,762.20	4.88
Dorchester.....	57,080.56	.....	57,080.56	10.81
Brighton.....	24,534.49	235.12	24,299.47	4.60
Total.....	153,834.17	12,545.73	141,288.44	26.76
Length built previous to Jan. 31, 1896.....				393.52
Total.....				420.28
Length of Intercepting Sewer.....				24.11
Total.....				444.39

Rainfall. — Albany Street Yard.

DATE.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.
1.....	.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2.....			.53	.....	.....	.....	.60	.....	.....	.....	.....	.....
3.....		3.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4.....		.21	.....	.....	.....	.....	.....	.40	.....	.....	.....	.....
5.....						.22	.....	.....	.....	.....	.....	.77
6.....								2.28	.62	.92	.....	.....
7.....	1.67	.30	.....	.....	.....	.67	.83	.....	.....	.....	.....	.....
8.....										.77	.....	.....
9.....					.91	.....	.....	.....	.....	.....	1.02	.....
10.....	.27	.....	.....	.....	.40	.....	.....	2.81	.....	.....	.....	.....
11.....										.20	.....	.....
12.....		.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13.....												
14.....								.49	.....	.37	.....	.....
15.....					1.15	.18	.....	.....	.41	.....	.....	.....
16.....						.29	.....	.....	.....	.....	.30	.....
17.....		.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18.....			.21	.....	.....	.....	.....	.....	.09	.....	.....	.28
19.....	.36	.....	.42	.40	.....	.....	.....	.53	.....	.....	.....	.....
20.....		.43	.....	.....	.....	.....	.....	.60	.....	.....	.....	.....
21.....				.11	.....	.18	.....	.....	.....	.40	.....	.67
22.....			.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
23.....						.06	.....	.....	.....	.....	.17	.....
24.....							.22	.....	.93	.06	.....	.....
25.....						.41	.....	.....	.....	.....	.....	.....
26.....				.13	.....	.....	.....	.....	.....	.28	.....	.....
27.....												
28.....					.12	.....	.....	.....	.....	.....	.....	.....
29.....				.45	.....	.....	.....	.....	.....	.....	.....	.....
30.....		1.05	.....	.....	.....	.....	.....	.....	.....	.70	.....	.....
31.....				.33	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	2.84	6.91	1.53	1.42	2.58	2.01	1.65	7.11	2.05	3.70	1.49	1.72

NOTE.—Total inches for twelve months from Feb. 1, 1896, to Jan. 31, 1897, inclusive, 35.01.

Sewer Department—Pumping-Station.

Record of Pumping done from Feb. 1, 1896, to Jan. 31, 1897.

	ENGINE 1.		ENGINE 2.		ENGINE 3.		ENGINE 4.		Total gallons pumped.	Daily average gallons pumped.	Per cent of ashes and cinders.	Gallons pumped per pound of coal used.	Daily average lift in feet.	Daily average duty in ft.-pounds per 100 pounds coal used.	Rainfall.
	Pumping time.	Gallons pumped.	Pumping time.	Gallons pumped.	Pumping time.	Gallons pumped.	Pumping time.	Gallons pumped.							
1896.	H. M.		H. M.		H. M.		H. M.								
February.	467 15	660,179,571	215 50	251,312,087	688 16	998,940,341	693 15	992,721,621	2,903,153,620	100,108,746	43,076	8.7	2,324 35.6	69,182,155	3.98
March.	740 50	1,030,022,206	.....	.....	744 00	1,062,050,379	744 00	1,087,737,400	3,209,869,985	103,544,193	44,555	9.6	2,324 34.6	67,274,929	4.26
April.	82 37	109,060,107	263 08	318,073,889	713 10	1,010,121,988	714 15	998,404,533	2,435,060,517	81,188,084	34,747	11.1	2,336 35.2	68,754,419	1.38
May.	40 50	50,280,749	103 58	132,031,826	701 38	988,820,510	734 10	1,016,899,955	2,183,042,040	70,420,711	27,387	12.2	2,571 35.4	76,070,966	2.04
June.	118 05	152,855,245	16 55	19,711,028	693 05	954,017,864	711 50	1,004,844,275	2,131,428,402	71,047,615	26,703	11.7	2,655 34.8	77,293,432	2.83
July.	77 00	81,758,675	38 00	53,696,040	738 50	1,061,641,332	725 00	1,032,773,673	2,229,869,718	71,331,281	24,635	11.2	2,920 33.2	81,031,407	1.67
August.	11 00	13,344,469	48 00	71,529,366	744 00	1,085,906,486	737 30	1,072,031,227	2,243,911,548	72,386,511	22,422	11.7	3,227 34.2	83,003,629	2.26
Sept.	.....	.....	321 15	465,248,287	716 42	1,035,013,646	696 00	997,018,820	2,497,280,753	81,352,992	28,406	11.0	2,840 34.8	93,002,217	7.02
October.	130 55	185,335,522	153 40	242,800,957	738 30	1,083,996,512	702 30	1,016,823,782	2,528,956,803	81,234,043	24,358	10.9	3,255 34.9	87,171,537	3.04
Nov.	242 10	341,557,951	516 43	714,990,874	714 00	1,011,735,390	381 55	533,889,840	2,607,234,055	86,907,801	35,171	10.7	2,471 36.6	74,532,377	3.19
Dec.	11 20	13,733,602	281 25	395,313,431	721 56	1,016,418,399	711 31	983,707,073	2,411,172,505	77,779,761	26,696	11.4	2,914 37.0	88,532,129	0.90
1897.	112 20	122,833,427	270 04	368,739,096	730 20	1,027,325,659	734 50	1,007,845,648	2,526,743,830	81,507,768	29,140	10.5	2,797 35.1	83,375,629	1.40
Totals	2,094 22	2,761,470,572	2,228 58	3,033,446,911	8,644 27	12,361,048,506	8,286 46	11,753,357,847	29,908,323,836	81,617,509	30,663	10.9	2,720 35.1	79,105,404	33.97

Pumping Station.

Record of sludge received and removed for twelve months ending Jan. 31, 1897.

	Received.	Removed.
February	412 cubic yards.	170 cubic yards.
March	374 " "	360 " "
April	416 " "	425 " "
May	683 " "	595 " "
June	545 " "	680 " "
July	721 " "	510 " "
August	829 " "	850 " "
September	417 " "	510 " "
October	653 " "	590 " "
November	635 " "	365 " "
December	297 " "	 " "
January	449 " "	 " "
Total	6,431	5,055

Sent down the harbor 360 cubic yards of filth hoist screenings from September 2 to December 9.

PROPERTY IN CHARGE OF THE SEWER DIVISION.

Sewer yard, with buildings, at 678 Albany street, South End.

Sewer yard, with building, on North Grove street, West End.

Sewer yard, on Gibson street, Dorchester, with buildings. This is Gibson School-fund land. The buildings were erected by the Sewer Department.

Small lot of land on Stony brook, corner of Centre street, Roxbury.

Gatehouse on Stony brook, Pyncheon street, Roxbury, built in 1889.

Sewer yard, with buildings, on Rutherford avenue, Charlestown.

Sewer yard, with buildings, corner Paris and Marion streets, East Boston.

Sewer yard, with buildings on East Chester park, near Albany street, South End.

Sewer yard, with buildings, on Western avenue, Brighton.

Sewer yard, with buildings, on Revere street, West End.

Sewer yard, with buildings, H and Ninth streets, South Boston.

Sewer yard, with buildings, Childs and South streets, West Roxbury.

Summary of Sewer Construction for Five Years previous to Feb. 1, 1897.

	1892.	1893.	1894.	1895.	1896.
	Feet.	Feet.	Feet.	Feet.	Feet.
Built by City by contract or day labor,	71,318.46	66,400.85	90,802.77	139,200.09	116,008.25
Built by pri- vate parties,	22,566.73	22,837.09	24,877.05	36,287.35	37,825.92
Total number of feet built,	93,885.19	89,237.94	115,679.82	175,487.44	153,834.17

DETAILS OF COST AND CONSTRUCTION

are given of the following sewers which have been constructed during the year at a cost exceeding two thousand dollars (\$2,000) each :

Adams, between King and Lonsdale Streets.

Labor	\$1,440 76
Bricks	658 75
Cement	249 60
Sand and gravel	138 30
Iron castings	27 09
Teaming	149 00
Drain pipe	60 07
Water	59 62
Miscellaneous	66 74
	\$2,849 93

Size and Length of Sewer.

116.23 feet 30 in. $\times$ 36 in., brick.

Alford Street Connection with Metropolitan Sewer.

Labor	.	.	.	.	.	.	\$1,700 52
Bricks	.	.	.	.	.	.	50 76
Cement	.	.	.	.	.	.	39 60
Sand and gravel	.	.	.	.	.	.	18 23
Iron castings	.	.	.	.	.	.	80 40
Teaming	.	.	.	.	.	.	223 00
Lumber	.	.	.	.	.	.	96 70
Drain pipe	.	.	.	.	.	.	94 79
Water	.	.	.	.	.	.	22 50
Miscellaneous	.	.	.	.	.	.	57 63
							\$2,384 13

Size and Length of Sewer.

225 feet 15 in. pipe.

1 sump manhole.

1 tide-gate manhole.

**Allston Square, between Commonwealth Avenue and
Allston Street.**

Labor	.	.	.	.	.	.	.	.	\$2,541 73
Bricks	.	.	.	.	.	.	.	.	109 92
Cement	.	.	.	.	.	.	.	.	29 90
Iron castings	.	.	.	.	.	.	.	.	47 44
Explosives	.	.	.	.	.	.	.	.	33 00
Teaming	.	.	.	.	.	.	.	.	49 00
Drain pipe	.	.	.	.	.	.	.	.	268 91
Water	.	.	.	.	.	.	.	.	94 81
Miscellaneous	.	.	.	.	.	.	.	.	58 44
									\$3,233 15

Size and Length of Sewer.

725.57 feet 10 in., pipe.

222.60 feet 12 in., pipe.

Audubon Road.

Labor	.	.	.	.	.	.	.	.	\$3,831 82
Bricks	.	.	.	.	.	.	.	.	139 20
Cement	.	.	.	.	.	.	.	.	46 85
Iron castings	.	.	.	.	.	.	.	.	47 80
Teaming	.	.	.	.	.	.	.	.	401 50
Lumber	.	.	.	.	.	.	.	.	141 57
Drain pipe	.	.	.	.	.	.	.	.	300 76
Water	.	.	.	.	.	.	.	.	89 70
Miscellaneous	.	.	.	.	.	.	.	.	8 10
									\$5,007 30

Size and Length of Sewer.

897.06 feet 12 in., pipe.

B and Seventh Streets Overflow.

Labor.	.	.	.	.	.	.	.	.	\$10,164 60
Bricks	.	.	.	.	.	.	.	.	1,161 00
Cement	.	.	.	.	.	.	.	.	668 25
Teaming	.	.	.	.	.	.	.	.	423 50
Lumber	.	.	.	.	.	.	.	.	1,432 90

Carried forward \$13,850 25

Size and Length of Sewer.

200.45 feet 15 in., pipe.

1,445.99 feet 12 in., pipe.

Blue Hill Avenue, Sect. 1.

Labor	.	.	.	.	.	.	.	.	\$1,019 58
Cement	.	.	.	.	.	.	.	.	223 15
Iron castings	.	.	.	.	.	.	.	.	251 68
Teaming	.	.	.	.	.	.	.	.	49 00
Drain Pipe	.	.	.	.	.	.	.	.	2,371 15
Stone	.	.	.	.	.	.	.	.	8 27
D. E. Lynch, contractor	.	.	.	.	.	.	.	.	7,580 43
									\$11,503 26

Size and Length of Sewer.

398.63 feet 24 in., pipe.

113.79 feet 18 in., pipe.

27 feet 15 in., pipe.

498.16 feet 12 in., pipe.

438 feet 6 in., pipe, house drain.

59.80 feet 18 in., pipe catch-basin drain.

112.20 feet 15 in., pipe catch-basin drain.

212.90 feet 12 in., pipe catch-basin drain.

141.80 feet 10 in., pipe catch-basin drain.

14 catch-basins.

2 drop inlets.

1.42 feet 24 in., pipe culvert.

Blue Hill Avenue Sect. 2 and part Sect. 3

Labor	.	.	.	.	.	.	.	.	\$902 99
Cement	.	.	.	.	.	.	.	.	135 95
Iron castings	.	.	.	.	.	.	.	.	164 67
Teaming	.	.	.	.	.	.	.	.	26 50
Pipe	.	.	.	.	.	.	.	.	884 10
J. P. O'Connell, contractor	.	.	.	.	.	.	.	.	6,147 16
Advertising.	.	.	.	.	.	.	.	.	41 33
Miscellaneous	.	.	.	.	.	.	.	.	17 15
									\$8,319 85

Size and Length of Sewer.

1,092.50 feet 12 in., pipe.

116.60 feet 18 in., pipe catch-basin drain.

243 feet 15 in., pipe catch-basin drain.

154.70 feet 10 in., pipe catch-basin drain.

596.20 feet 12 in., pipe catch-basin drain.

113 feet, pipe, culvert.

6 catch-basins.

2 drop inlets.

Blue Hill Avenue Sect. 7.

Labor	\$331 27
Cement	40 25
Iron castings	82 35
Teaming	10 00
Drain pipe	168 81
Advertising and printing	90 50
Stone	9 50
J. P. O'Connell, contractor	1,734 79
	\$2,467 47

Size and Length of Sewer.

295.70 feet 12 in., pipe.
 287.16 feet 12 in., pipe catch-basin drain.
 64.66 feet 10 in., pipe catch-basin drain.
 3 catch-basins.
 2 drop inlets.

Blue Hill Avenue, Sect. 10.

Labor	\$14 65
D. O'Connell, contractor	3,985 35
Miscellaneous	359 27
	\$4,359 27

Built in 1895.

Blue Hill Avenue, Sect. 13.

Labor	\$408 35
Cement	80 50
Iron castings	123 95
Teaming	15 00
Drain pipes	1,116 60
Advertising and printing	111 29
T. H. Connelly, contractor	3,347 19
	\$5,202 88

Size and Length of Sewer.

1,934.77 feet 12., pipe sewer.
 40.52 feet 20 in., pipe catch-basin drain.
 400.80 feet 18 in., pipe catch-basin drain.
 457.90 feet 15 in., pipe catch-basin drain.
 266.42 feet 12 in., pipe catch-basin drain.
 167.65 feet 10 in., pipe catch-basin drain.
 8 catch-basins.
 5 drop inlets.

Blue Hill Avenue, Sect. 14.

Labor	\$308 05
Cement	46 00
Iron castings	81 88
Teaming	2 25
Drain pipe	546 82
Advertising and printing	67 88
J. Dolan, contractor	2,331 25
	\$3,384 13

Size and Length of Sewer.

944.88 feet 12 in., pipe sewer.
 78.55 feet 15 in., pipe catch-basin drain.
 313.20 feet 18 in., pipe catch-basin drain.
 25.43 feet 12 in., pipe catch-basin drain.
 69.21 feet 10 in., pipe catch-basin drain.
 2 catch-basins.
 2 drop inlets.

Blue Hill Avenue, Sect. 15.

Labor	\$547 92
Cement	97 75
Iron castings	110 48
Teaming	5 00
Drain pipe	671 65
J. Dolan, contractor	5,242 41
Advertising and printing	81 60
	\$6,756 81

Size and Length of Sewer.

143.10 feet 18 in., pipe.
 429.06 feet 15 in., pipe.
 845.15 feet 12 in., pipe.
 136.40 feet 15 in., pipe catch-basin drain.
 447.05 feet 12 in., pipe catch-basin drain.
 162.63 feet 10 in., pipe catch-basin drain.
 6 catch-basins.
 2 drop inlets.

Blue Hill Avenue, Sect. 16.

Labor	\$212 20
Cement	100 25
Iron castings	25 77
Teaming	5 00
<i>Carried forward</i>	\$343 22

Size and Length of Sewer.

17.10 feet 30 in., catch-basin drain.
 618.30 feet 24 in., pipe catch-basin drain.
 789.90 feet 18 in., pipe catch-basin drain.
 263.50 feet 15 in., pipe catch-basin drain.
 219.60 feet 12 in., pipe catch-basin drain.
 515.10 feet 10 in., pipe catch-basin drain.
 796.78 feet 2 ft. 8 in. × 3 ft. 6 in., brick.
 19.67 feet 16 in., iron pipe.
 15.85 feet tide gate manhole and connection.
 13 catch-basins.
 11 drop inlets.

Central Street, between Atlantic Avenue and India Street.

Labor	\$5,413 54
Cement	52 80
Sand and gravel	38 30
Iron castings	15 00
Teaming	817 50
Lumber	403 13
Drain pipe	178 45
Hire of machinery	150 50
Carpentry	129 59
Miscellaneous	297 56
	\$7,496 37

Size and Length of Sewer.

218 feet 5 ft. × 5 ft., 3½ in., brick.

Central Street, between Boylston Street and Boylston Terrace.

Labor	\$2,210 11
Bricks	32 30
Cement	15 90
Sand	4 25
Iron castings	16 95
Explosives	73 49
Teaming	322 75
Lumber	33 50
Drain pipe	114 53
Rock excavation	550 50
Water	34 99
Miscellaneous	183 64
	\$3,592 91

Size and Length of Sewer.

349.90 feet 12 in., pipe.

Chapman Avenue and Private Land.

Labor	.	.	.	.	.	.	.	.	\$13,958 05
Bricks	.	.	.	.	.	.	.	.	143 40
Cement	.	.	.	.	.	.	.	.	136 70
Sand and Gravel.	.	.	.	.	.	.	.	.	41 55
Iron castings	.	.	.	.	.	.	.	.	50 55
Explosives	.	.	.	.	.	.	.	.	124 70
Teaming	.	.	.	.	.	.	.	.	563 00
Lumber	.	.	.	.	.	.	.	.	864 90
Drain pipe	.	.	.	.	.	.	.	.	6,935 62
Hire of machinery	.	.	.	.	.	.	.	.	386 33
Miscellaneous	.	.	.	.	.	.	.	.	562 81

\$23,767 61
Size and Length of Sewer.

33.40 feet 24 in., brick.

674 feet 24 in., pipe.

909.84 feet 24 in., pipe.

44 feet 18 in., pipe.

Chelsea and Vine Streets, Metropolitan Sewer Connection.

Labor	.	.	.	.	.	.	.	.	\$1,991 79
Bricks	.	.	.	.	.	.	.	.	80 60
Cement	.	.	.	.	.	.	.	.	46 20
Sand	.	.	.	.	.	.	.	.	8 00
Iron castings	.	.	.	.	.	.	.	.	6 20
Teaming	.	.	.	.	.	.	.	.	24 00
Lumber	.	.	.	.	.	.	.	.	31 40
Drain pipe	.	.	.	.	.	.	.	.	21 93
Carpentry	.	.	.	.	.	.	.	.	93 66
Miscellaneous	.	.	.	.	.	.	.	.	12 83

\$2,316 61
Size and Length of Sewer.

120.76 feet 4 ft. × 4 ft. 3-in., brick.

24.02 feet 18-in., pipe.

24.40 feet 12-in., pipe.

Chestnut Hill Avenue, between Beacon Street and Commonwealth Avenue.

Labor	.	.	.	.	.	.	.	.	\$283 61
Cement	.	.	.	.	.	.	.	.	64 90

Carried forward. \$348 51

Size and Length of Sewer.

229.35 feet 15-in., pipe catch-basin drain.
 27.50 feet 12-in., pipe catch-basin drain.
 256.85 feet 10-in., pipe catch-basin drain.
 43.65 feet 18-in., pipe sewer.
 .80 feet 2 ft. 6 in. × 3-ft., brick.
 10 catch-basins.
 3 drop inlets.

Columbus Avenue, Sect. 3.

Labor	.	.	.	.	.	.	.	.	\$1,735 65
Bricks	.	.	.	.	.	.	.	.	1,426 99
Cement	.	.	.	.	.	.	.	.	1,103 40
Iron castings	.	.	.	.	.	.	.	.	532 37
Teaming	.	.	.	.	.	.	.	.	43 00
Drain pipe	.	.	.	.	.	.	.	.	2,113 50
Advertising and printing	.	.	.	.	.	.	.	.	55 75
J. P. O'Connell, contractor	.	.	.	.	.	.	.	.	9,808 49
Miscellaneous	.	.	.	.	.	.	.	.	76 04

 \$16,895 19
Size and Length of Sewer.

10.80 feet 3 ft., circular brick.
 278.50 feet 3 ft. 6 in. × 3 ft. 8½ in., brick.
 267.75 feet 2 ft. 6 in. × 3 ft., brick.
 11.20 feet 2 ft. 6 in. × 4 ft. 4 in., brick.
 173.27 feet 24 in., pipe catch-basin drain.
 172.87 feet 15 in., pipe catch-basin drain.
 308.73 feet 12 in., pipe catch-basin drain.
 339.50 feet 10 in., pipe catch-basin drain.
 15.86 feet 8 in., pipe house drain.
 61.75 feet 6 in., pipe house drain.
 853.50 feet 18 in., pipe sewer.
 173.23 feet 18 in., pipe sewer.
 493.40 feet 15 in., pipe sewer.
 1,338.49 feet 12 in., pipe sewer.
 25.06 feet 12 in., iron pipe.
 13 catch-basins.
 3 drop inlets.
 708 feet concreting invert in old conduit.

Columbus Avenue, Sect. 8.

Labor	.	.	.	.	.	.	.	.	\$489 11
Bricks	.	.	.	.	.	.	.	.	687 55
Cement	.	.	.	.	.	.	.	.	189 75

 Carried forward. \$1,366 41

<i>Brought forward</i>	\$1,366 41
Iron castings	136 34
Drain pipe	302 90
Printing and advertising	104 66
Thomas O'Leary, contractor	1,835 66
Miscellaneous	4 45
	\$3,750 42

Size and Length of Sewer.

239 feet 3 ft. 6 in. $\times$ 4 ft. 10 in., brick.
 316 feet 2 ft. 4 in. $\times$ 3 ft. 6 in., brick.
 1,085 feet 12 in., pipe.
 5 feet 10 in., pipe catch-basin drain.
 39 feet 6 in., house drain.
 1 catch-basin.

Columbus Avenue, Sect. 9.

Labor	\$107 64
Joseph P. O'Connell, contractor	3,392 25
Miscellaneous	154 67
	\$3,654 56

Size and Length of Sewer.

6 feet 10 in., pipe catch-basin drain.
 22 feet 8 in., pipe house drain.

Commonwealth Avenue, Sect. 5, between Chestnut Hill Avenue and Newton line.

Labor	\$178 72
Cement	40 25
Iron castings	57 09
Drain pipe	211 07
F. A. Snow, contractor	2,048 40
Advertising	48 38
	\$2,583 91

Size and Length of Sewer.

487.63 feet 10 in., pipe.
 77.50 feet 10 in., pipe catch-basin drain.
 199 feet 12 in., pipe catch-basin drain.
 2 catch-basins.
 2 drop inlets.

<i>Brought forward</i>	\$3,732 91
Iron castings	11 25
Teaming	383 50
Lumber	996 46
Drain pipe	8 23
Hire of machinery	48 00
Pile driving	262 50
Carpentry	256 30
Miscellaneous	100 20
	\$5,799 35

Size and Length of Sewer.

31.43 feet 2 ft. 6 in., circular brick.

76.64 feet 3 ft. 3 in., circular brick.

591.84 feet 3 ft. × 4 ft., wood.

Dorchester Avenue, between Washington and Richmond Streets.

Labor	\$2,887 48
Bricks	66 95
Cement	27 65
Sand and gravel	77 94
Iron castings	36 20
Explosives	102 89
Teaming	125 50
Drain pipe	405 36
Paving	111 00
Hire of machinery	340 00
Water	64 04
Miscellaneous	164 30
	\$4,409 31

Size and Length of Sewer.

640.41 feet 12-in, pipe.

Dorchester-brook Sewer, between Norfolk Avenue and George Street.

Labor	\$11,128 28
Bricks	1,136 22
Cement	630 30
Sand and gravel	984 75
Iron castings	27 30
Teaming	1,126 00
<i>Carried forward</i>	\$15,032 85



ROCK EXCAVATION FOR WHEEL PITS, CHAPMAN AVENUE
PUMPING STATION.

Size and Length of Sewer.

498.80 feet 2 ft. 8 in. $\times$ 4 ft., brick.

175.24 feet 2 ft. 6 in. $\times$ 3 ft., brick.

Etna Street, between North Beacon and Elmira Streets.

Labor	.	.	.	.	.	.	.	\$1,617	03
Bricks	.	.	.	.	.	.	.	124	00
Cement	.	.	.	.	.	.	.	40	25
Sand	.	.	.	.	.	.	.	1	80
Iron castings	.	.	.	.	.	.	.	48	96
Teaming	.	.	.	.	.	.	.	68	50
Drain pipe	.	.	.	.	.	.	.	357	39
Water	.	.	.	.	.	.	.	97	02
Miscellaneous	.	.	.	.	.	.	.	17	17
								\$2,372	12

Size and Length of Sewer.

970.20 feet 12-in., pipe.

Falmouth and Norway Streets.

Labor	.	.	.	.	.	.	\$5,795	36
Bricks	.	.	.	.	.	.	371	15
Cement	.	.	.	.	.	.	244	20
Sand and gravel	.	.	.	.	.	.	207	37
Iron castings	.	.	.	.	.	.	4	20
Teaming	.	.	.	.	.	.	918	50
Lumber	.	.	.	.	.	.	597	26
Drain pipe	.	.	.	.	.	.	129	94
Hire of machinery	.	.	.	.	.	.	183	00
Carpentry	.	.	.	.	.	.	104	78
Pile driving	.	.	.	.	.	.	440	30
Water	.	.	.	.	.	.	37	18
Miscellaneous	.	.	.	.	.	.	219	11
							\$9,252	35

Size and Length of Sewer.

238.97 feet 2 ft. 6 in. $\times$ 3 ft. 3 in., brick.

127.84 feet 2 ft. $\times$ 2 ft. 7 in., brick.

Forest Avenue Main, Sect. 1 (Willowwood Street and Ballou Avenue.)

Labor	.	.	.	.	.	.	.	.		£600	48
Cement	.	.	.	.	.	.	.	.		51	75
Iron castings	.	.	.	.	.	.	.	.		82	10
										£734	33

<i>Brought forward</i>	\$734 33
Teaming	12 50
Drain pipe	954 34
Printing and advertising	72 24
T. H. Connolly, contractor	2,906 00
	\$4,679 41

Size and Length of Sewer.

865.49 feet 18-in., pipe.

494 feet 15-in., pipe.

Geneva Avenue and Park Street.

Labor	\$152 13
Cement	285 15
Iron castings	68 52
Team	2 50
Drain pipe	309 18
Advertising and printing	84 25
Stone	18 00
J. P. O'Connell, contractor	752 40
D. F. O'Connell, contractor	2,925 35
	\$4,597 48

Size and Length of Sewer.

591.48 feet 12-in., pipe.

244.60 feet 15-in., pipe.

621 feet 6-in., pipe.

3 catch-basins.

**Gerard Street, between Massachusetts Avenue and
Norfolk Avenue.**

Labor	\$1,421 58
Bricks	377 42
Cement	103 50
Sand	73 80
Iron castings	28 23
Teaming	298 50
Lumber	63 45
Drain pipe	210 01
Hire of machinery	407 50
Water	170 90
Miscellaneous	93 36
	\$3,248 25

Size and Length of Sewer.

106.59 feet 15-in., pipe.

Hobart Street, between Brooks and Faneuil Streets.

Labor	.	.	.	.	.	.	.	.	\$634 45
Bricks	.	.	.	.	.	.	.	.	44 05
Cement	.	.	.	.	.	.	.	.	42 45
Iron castings	.	.	.	.	.	.	.	.	60 04
Catch-basin stone	.	.	.	.	.	.	.	.	44 00
Teaming	.	.	.	.	.	.	.	.	17 00
Drain pipe	.	.	.	.	.	.	.	.	875 90
T. J. Young & Co., contractors	.	.	.	.	.	.	.	.	2,362 24
Miscellaneous	.	.	.	.	.	.	.	.	2 64
									<u>\$4,082 77</u>

Size and Length of Sewer.

350.01 feet 12-in., pipe.

817.56 feet 12-in., pipe.

261.23 feet 15-in., pipe.

Holmes Avenue.

Labor	.	.	.	.	.	.	.	.	\$4,111 34
Brick	.	.	.	.	.	.	.	.	248 50
Cement	.	.	.	.	.	.	.	.	355 50
Sand and gravel	.	.	.	.	.	.	.	.	217 20
Iron castings	.	.	.	.	.	.	.	.	63 14
Teaming	.	.	.	.	.	.	.	.	223 50
Lumber	.	.	.	.	.	.	.	.	28 35
Drain pipe	.	.	.	.	.	.	.	.	1,457 38
Carpentry	.	.	.	.	.	.	.	.	69 52
Water	.	.	.	.	.	.	.	.	182 35
Miscellaneous	.	.	.	.	.	.	.	.	33 02
									<u>\$6,989 80</u>

Size and Length of Sewer.

378.20 feet 10-in., pipe.

794.89 feet 15-in., pipe.

650.42 feet 18-in., pipe.

600 feet 12-in., pipe, catch-basin drain.

250 feet 18-in., pipe, catch-basin drain.

64.32 feet 18-in., pipe, culvert.

50.05 feet 5 ft. 4 in × 3 ft. 4-in., concrete culvert.

55.85 feet 5 ft. × 6 ft., concrete culvert.

Huntington Avenue, Section 2.

Labor	\$3,721 02
Bricks	732 19
Cement	307 75
Sand	140 23
Iron castings	296 30
Team	576 00
Lumber	70 12
Drain pipe	181 26
H. P. Nawn, contractor	2,974 72
Hire of machinery	188 00
Carpentry	245 74
Miscellaneous	268 94
	\$9,702 27

Size and Length of Sewer.

261 feet 8-in., pipe house drain.

Hyde Park Avenue, between Walk Hill Street and 1,040 feet Southerly.

Labor	.	.	.	.	.	.	\$1,415 25
Bricks	.	.	.	.	.	.	74 98
Cement	.	.	.	.	.	.	23 00
Iron castings	.	.	.	.	.	.	49 80
Teaming	.	.	.	.	.	.	223 50
Lumber	.	.	.	.	.	.	69 90
Drain pipe	.	.	.	.	.	.	348 00
Water	.	.	.	.	.	.	104 09
Miscellaneous	.	.	.	.	.	.	36 96
							\$2,345 48

Size and Length of Sewer.

1,040.94 feet, 12-in., pipe.

Jamaicaway, between Castleton and Perkins Streets.

Labor	.	.	.	.	.	.	\$1,005 53
Bricks	.	.	.	.	.	.	98 00
Cement	.	.	.	.	.	.	42 00
Iron castings	.	.	.	.	.	.	50 38
Teaming	.	.	.	.	.	.	664 00
Lumber	.	.	.	.	.	.	140 60
Drain pipe	.	.	.	.	.	.	410 32
Water	.	.	.	.	.	.	112 45
Miscellaneous	.	.	.	.	.	.	204 98
							\$2,728 26

Size and Length of Sewer.

282.27 feet 12-in., pipe.

Kearsarge Avenue, between Warren Street and Winthrop Street.

Labor	\$1,530 71
Bricks	45 58
Cement	30 75
Sand	8 10
Iron castings	25 80
Explosives	138 59
Teaming	661 00
Lumber	7 74
Drain pipe	152 41
Paving	12 25
Water	39 99
Miscellaneous	188 98
	\$2,841 90

Size and Length of Sewer.

402.40 feet 12-in., pipe.

Lauriat Avenue.

Labor	\$1,094 12
Cement	827 10
Teaming	59 00
Lumber	35 96
Drain pipe	586 48
H. P. Nawn, contractor	9,558 56
Miscellaneous	32 70
	\$12,193 92

Size and Length of Sewer.

678.12 feet 15-in., pipe.
 1,841.14 feet 12-in., pipe.
 125.15 feet 10-in., pipe.
 29.02 feet 18-in., pipe.
 2,570 feet 6-in., pipe house drain.
 69.49 feet 8 ft. × 8 ft., stone culvert.
 61.80 feet 8 ft. × 6 ft. 8-in., stone culvert.
 52.42 feet 4 ft. × 4 ft., stone culvert.
 58.50 feet 24-in., pipe culvert.
 6 catch-basins.
 5 drop inlets.

Size and Length of Sewers.

1,109.36 feet 30-in., pipe.
 38.63 feet 30-in., iron pipe.
 36.73 feet 30-in., brick.

Mt. Vernon Avenue, between Rockland Street and End.

Labor	\$139 10
Cement	11 50
Drain pipe	146 51
T. J. Young & Co., contractors	1,822 26
	\$2,119 37

Size and Length of Sewer.

420.90 feet 12-in., pipe.

Munroe Street, between Walnut Avenue and existing Sewer.

Labor	\$2,014 97
Bricks	36 50
Cement	16 50
Iron castings	25 10
Teaming	279 25
Explosives	100 53
Drain pipe	85 80
Water	50 14
Miscellaneous	168 37
	\$2,777 16

Size and Length of Sewer.

243.96 feet 12-in., pipe.

Newton Street and Private Land.

Labor	\$3,102 97
Bricks	67 00
Cement	18 20
Sand	9 00
Teaming	103 00
Drain pipe	694 50
Miscellaneous	14 73
	\$4,009 40

Size and Length of Sewer.

525.42 feet 15-in., pipe.
 245 feet 12-in., pipe.
 199.58 feet 18-in., pipe.
 297 feet 20-in., double thick pipe.

**Northampton Street, between Albany and Fellows
Streets.**

Labor	\$6,596 74
Bricks	386 12
Cement	212 35
Sand and gravel	122 11
Iron casting	38 82
Teaming	816 50
Lumber	712 72
Drain pipe	97 62
Carpentry	103 76
Paving	155 30
Water	29 00
Miscellaneous	196 36
	\$9,467 40

Size and Length of Sewer.

278.70 feet 2 ft. 6 in. × 3 ft., brick.

772 feet 20-in. pipe.

North Harvard Street.

Labor	\$5,355 31
Bricks	201 24
Cement	135 30
Sand	35 10
Iron castings	144 28
Teaming	316 50
Lumber	164 74
Drain pipe	5,273 76
Water	259 93
Hire of engine	182 20
Miscellaneous	95 81
	\$12,164 17

Size and Length of Sewer.

700.03 feet 12-in., pipe.

349.79 feet 15-in. pipe.

1,035.05 feet 18-in., pipe.

514.25 feet 24-in., pipe.

498.40 feet 18-in., pipe catch-basin drain.

1449.34 feet 24-in., pipe catch-basin drain.

Old Heath and Parker Streets.

Labor	\$4,339 49
Bricks	1,086 11
Cement	392 50

<i>Carried forward</i>	\$5,818 10
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<i>Brought forward</i>	.	.	.	.	.	\$5,818 10
Sand and gravel .	.	.	.	.	.	104 75
Iron castings .	.	.	.	.	.	46 65
Teaming .	.	.	.	.	.	1,190 50
Lumber .	.	.	.	.	.	124 62
Drain pipe .	.	.	.	.	.	379 51
Carpentry .	.	.	.	.	.	153 63
Water .	.	.	.	.	.	90 00
Miscellaneous .	.	.	.	.	.	43 15
						\$7,950 91

Size and Length of Sewer.

729.15 feet 3 ft.×3 ft. 2⅞ in., brick.

180.48 feet 24-in., pipe.

Parkway, between Pond Street and Dorchester Avenue.

Labor .	.	.	.	.	.	\$1,192 08
Bricks .	.	.	.	.	.	34 47
Cement .	.	.	.	.	.	22 20
Sand and gravel .	.	.	.	.	.	120 04
Explosives .	.	.	.	.	.	32 39
Teaming .	.	.	.	.	.	330 00
Drain pipe .	.	.	.	.	.	350 44
Water .	.	.	.	.	.	295 76
Miscellaneous .	.	.	.	.	.	60 34
						\$2,437 72

Size and Length of Sewer.

430.97 feet 12-in., pipe.

Pierce Farm Sewer, West Roxbury.

Labor .	.	.	.	.	.	\$13,678 05
Bricks .	.	.	.	.	.	512 60
Cement .	.	.	.	.	.	230 20
Sand and gravel .	.	.	.	.	.	1,095 55
Iron castings .	.	.	.	.	.	300 21
Teaming .	.	.	.	.	.	15 56
Lumber .	.	.	.	.	.	472 44
Drain pipe .	.	.	.	.	.	3,240 31
Rubble stone .	.	.	.	.	.	181 25
Water .	.	.	.	.	.	666 89
Hire of machinery .	.	.	.	.	.	194 00
Miscellaneous .	.	.	.	.	.	635 84
						\$22,763 34

Size and Length of Sewer.

5,190.96 feet 15-in., pipe.

862.96 feet 12-in., pipe.

**Private Land, between Lawrence Avenue and Stan-
wood Street.**

Labor	\$5,362 58
Bricks	1,241 10
Cement	552 10
Sand and gravel	308 85
Iron castings	26 25
Explosives	15 43
Teaming	608 00
Lumber	108 18
Pipe	661 75
Carpentry	294 27
Masonry	948 00
Miscellaneous	43 98

\$10,170 49
Size and Length of Sewer.

1,300 feet 15-in., pipe.

48 feet 12-in., pipe.

Private Land, Mozart, Selwyn and Arundel Streets.

Labor	\$4,259 06
Bricks	116 08
Cement	28 46
Iron castings	36 35
Explosives	15 21
Teaming	315 00
Lumber	43 99
Drain pipe	741 86
Miscellaneous	132 98

\$5,688 99
Size and Length of Sewer.

967 feet 18-in., pipe.

Private Land, Parkman, Brooks and Bigelow Streets.

Labor	\$7,227 73
Bricks	958 50
Cement	287 80

Carried forward \$8,474 03

<i>Brought forward</i>	.	.	.	.	.	.	\$8,474 03
Sand and gravel	.	.	.	.	.	.	104 40
Iron castings	.	.	.	.	.	.	129 05
Teaming	.	.	.	.	.	.	442 50
Lumber	.	.	.	.	.	.	133 63
Drain pipe	.	.	.	.	.	.	2,785 70
Carpentry	.	.	.	.	.	.	15 06
Water	.	.	.	.	.	.	325 25
Hire of machinery	.	.	.	.	.	.	668 50
Miscellaneous	.	.	.	.	.	.	723 68
							\$13,801 80

Size and Length of Sewer.

124.82 feet 2 ft. 4-in. $\times$ 3 ft. 6-in., brick.

395.74 feet 12-in., pipe.

870.50 feet 18-in., pipe.

757.21 feet 20-in., pipe.

Porter Street at Bremen Street. Connection with Metropolitan Sewer.

Labor	.	.	.	.	.	.	\$2,235 07
Bricks	.	.	.	.	.	.	179 35
Cement	.	.	.	.	.	.	158 40
Sand and gravel	.	.	.	.	.	.	30 78
Regulator castings	.	.	.	.	.	.	231 08
Teaming	.	.	.	.	.	.	203 50
Lumber	.	.	.	.	.	.	249 31
Pipe	.	.	.	.	.	.	23 08
Hire of engine	.	.	.	.	.	.	24 00
Miscellaneous	.	.	.	.	.	.	233 29
							\$3,567 86

Size and Length of Sewer.

6 feet 24-in., pipe.

8 feet 20-in., iron pipe.

1 sump manhole.

1 regulator manhole.

Rockland Street, between Mt. Vernon Street and Mt.
Vernon Avenue.

Labor	.	.	.	.	.	.	\$127 44
Iron castings	.	.	.	.	.	.	17 98
Teaming	.	.	.	.	.	.	3 00
T. J. Young & Co., contractors	.	.	.	.	.	.	1,750 73
Water	.	.	.	.	.	.	119 86
							\$2,019 01

Size and Length of Sewer.

289.49 feet 12-in., pipe.

Ruggles Street, between Parker Street and Back Bay Fens.

Labor	\$781 62
Bricks	102 00
Cement	157 75
Iron castings	51 90
Drain pipe	66 42
Advertising and printing	85 76
D. E. Lynch, contractor	3,971 59
Miscellaneous	1 89
	<u>\$5,218 93</u>

Size and Length of Sewer.

756 feet 2 ft. 6 in. × 3 ft., brick.

Shawmut Park, Edwin and Templeton Streets.

Labor	\$3,310 60
Bricks	184 06
Cement	83 95
Sand and gravel	57 15
Iron castings	101 25
Teaming	96 00
Lumber	32 01
Drain pipe	1,738 05
Water	390 46
Miscellaneous	76 08
	<u>\$6,069 61</u>

Size and Length of Sewer.

392.89 feet 18-in., pipe.

432.05 feet 15-in., pipe.

2,603.87 feet 12-in., pipe.

Shawmut Avenue, Roxbury Street and Guild Row.

Labor	\$9,475 50
Bricks	1,112 34
Cement	386 00
Sand and gravel	222 00
Iron castings	16 60
Teaming	1,629 25
Lumber	284 77
Drain pipe	13 43
<i>Carried forward</i>	<u>\$13,139 89</u>

<i>Brought forward</i>	.	.	.	.	.	\$13,139 89
Hire of machinery	.	.	.	.	.	283 64
Carpentry	.	.	.	.	.	373 69
Paving	.	.	.	.	.	141 67
Miscellaneous	.	.	.	.	.	258 73
						\$14,197 62

Size and Length of Sewer.

823 feet 3 ft. 6 in. $\times$ 5 ft. 6 in., brick.

16 feet 2 ft. 2 in. $\times$ 3 ft. 3 in., brick.

Tyler Street, between Oak and Curve, and Kneeland
and Harvard Streets.

Labor	\$12,004 79
Bricks	1,223 67
Cement	501 50
Sand and gravel	698 47
Iron castings	54 71
Teaming	3,304 00
Lumber	1,397 17
Drain pipe	242 16
Hire of machinery	838 99
Carpentry	48 91
Piles	151 25
Water	74 62
Miscellaneous	712 68
	\$21,252 92

Size and Length of Sewer.

325.95 feet 2 ft. $\times$ 3 ft., brick.

288.97 feet 2 ft. $\times$ 3 ft., brick.

19.80 feet 20-in., iron pipe.

Walk Hill and Bourne Streets, between Patten Street
and Hyde Park Avenue.

Labor	.	.	.	.	.	.	\$3,609 96
Bricks	.	.	.	.	.	.	95 00
Cement	.	.	.	.	.	.	28 75
Iron castings	.	.	.	.	.	.	32 60
Explosives	.	.	.	.	.	.	46 59
Teaming	.	.	.	.	.	.	142 50
Lumber	.	.	.	.	.	.	135 94
Drain pipe	.	.	.	.	.	.	408 29
Miscellaneous	.	.	.	.	.	.	101 10
							\$4,600 73

Size and Length of Sewer.

578 feet 15-in., pipe.

Washington Street, between Lower Mills and Fairmount Street.

Labor	\$3,025 50
Bricks	170 63
Cement	55 20
Sand and gravel	26 22
Iron castings	64 69
Teaming	167 00
Drain pipe	623 39
Water	172 20
Miscellaneous	97 00
Explosives	16 92
	\$4,418 75

Size and Length of Sewer.

442.49 feet 15-in., pipe.

1,279.59 feet 12-in., pipe.

Wensley Street, between New Heath and Bickford Avenue.

Labor	\$2,004 66
Bricks	63 03
Cement	22 47
Sand and gravel	15 00
Iron castings	31 05
Teaming	241 25
Lumber	46 15
Drain pipe	227 54
Water	69 99
Miscellaneous	22 23
	\$2,743 37

Size and Length of Sewer.

434.92 feet 12-in., pipe.

264.98 feet 10-in., pipe.

Western Avenue, between 180 feet West of Everett and Waverley Streets.

Labor	\$4,465 56
Bricks	803 15
Cement	359 85
<i>Carried forward.</i>	\$5,628 56

<i>Brought forward</i>	.	.	.	.	.	.	\$5,628 56
Sand	.	.	.	.	.	.	19 80
Teaming	.	.	.	.	.	.	291 00
Lumber	.	.	.	.	.	.	128 42
Drain pipe	.	.	.	.	.	.	54 16
Hire of machinery	.	.	.	.	.	.	172 00
Carpentry	.	.	.	.	.	.	85 97
Water	.	.	.	.	.	.	124 20
Miscellaneous	.	.	.	.	.	.	171 70
							\$6,675 81

Size and Length of Sewer.

279.38 feet 15-in., pipe.

682.10 feet 3 ft. × 3 ft. 2 in., brick.

280.53 feet 2 ft. 6 in., circular brick.

West Roxbury Low-level Sewer.(In private land between Amory street and 400 feet south of
Boylston.)

Labor	.	.	.	.	.	.	\$1,391 28
Bricks	.	.	.	.	.	.	212 02
Cement	.	.	.	.	.	.	116 90
Sand and gravel	.	.	.	.	.	.	98 60
Teaming	.	.	.	.	.	.	143 00
Lumber	.	.	.	.	.	.	224 77
N. Y., N. H. & H. R.R. Co.	.	.	.	.	.	.	2,292 73
Carpentry	.	.	.	.	.	.	38 46
Water	.	.	.	.	.	.	15 90
Miscellaneous	.	.	.	.	.	.	52 09
							\$4,585 75

Size and Length of Sewer.

159 feet 2 ft. × 3 ft. 6 in., brick.

West Second Street, between E and D Streets.

Labor	.	.	.	.	.	.	\$1,261 20
Bricks	.	.	.	.	.	.	204 93
Cement	.	.	.	.	.	.	118 80
Sand and gravel	.	.	.	.	.	.	149 33
Teaming	.	.	.	.	.	.	208 00
Lumber	.	.	.	.	.	.	47 76
Paving	.	.	.	.	.	.	105 25
Hire of machinery	.	.	.	.	.	.	164 00
Carpentry	.	.	.	.	.	.	102 51
Water	.	.	.	.	.	.	23 03
Miscellaneous	.	.	.	.	.	.	21 86
							\$2,406 67

Size and Length of Sewer.

230.38 feet 2 ft. × 3 ft., brick.

Wolcott Street.

Labor	\$149 48
Cement	69 00
Iron castings	61 96
Teaming	2 50
Drain pipe	1,258 50
Advertising and printing	82 62
C. B. Stone	38 50
J. P. O'Connell, contractor	1,208 33
	\$2,870 89

Size and Length of Sewer.

301 feet 6-in., pipe house drain.

234.95 feet 30-in., pipe catch-basin drain.

152.15 feet 24-in., pipe catch-basin drain.

372.60 feet 12-in., pipe catch-basin drain.

52.18 feet 10-in., pipe catch-basin drain.

3 catch-basins.

2 drop inlets.

APPENDIX F.

ANNUAL REPORT OF THE STREET CLEANING
DIVISION OF THE STREET DEPARTMENT.

923 TREMONT BUILDING, BOSTON, Feb. 1, 1897.

BENJAMIN W. WELLS, ESQ., *Superintendent of Streets* :

DEAR SIR: I respectfully submit the annual report of the expenditures and income of the Street Cleaning Division of the Street Department for the financial year ending Jan. 31, 1897.

I assumed charge of the Street Cleaning Division of the Street Department on March 1, 1896, which was one month after the beginning of the financial year. The district lines of the Division were changed in 1895 with a less number of districts than had been originally established and covering less territory; that is to say, that the change was not intended to cover the Brighton and Dorchester Districts, the scope of the push-cart patrol system being continued about the same.

District No. 1, South Boston, — formerly West End.

Districts No. 2 and No. 3, East Boston and Charlestown, — formerly North End, and South End respectively.

District No. 7, Roxbury, remaining as before.

District No. 8, South End and city proper, — formerly South End and Back Bay.

District No. 9, Back Bay, — formerly Charlestown and East Boston.

District No. 10, West End and North End, — formerly called No. 1 and No. 2, practically remaining the same.

All of the headquarters of the respective districts are at the Sanitary Division stables and yards, with the exception of District No. 1, South Boston, where the stable is directly under control of the Division. The push-cart system headquarters are at the dumping scow on Atlantic avenue and are also separated from the Sanitary Division. I would respectfully recommend that any change that may be contemplated for any reorganization or enlargement of the office and yard facilities of this Division be considered in such a manner that the Street Cleaning Division stables and offices of the different districts be so arranged that they may be entirely separated from those of any other Division.

The Charlestown force, covering the Charlestown and East Boston districts, is obliged to care for the streets of East Boston, giving two days a week for that purpose. It is not only taking

away from Charlestown the care that it should receive, but it is not giving the East Boston District the necessary attention; and I respectfully recommend that some action be taken as regards the establishment of a separate street cleaning district in East Boston.

EQUIPMENT.

The principal part of the equipment of the Division consists of double and single sweeping machines, dirt carts, water carts, cart horses, machine horses, single and double harnesses, rubbish wagons, waste barrels, push carts and barrels and a snow-plough, which has been tried during the winter, and will probably be purchased.

The dirt carts are in bad shape, many of them needing extensive repairs, and some entirely unfitted for use. The time has come when a tight cart must be used. Since the Division was organized, it has been using exclusively the old-style ash cart, which seems to me no longer fully useful for the work on account of being leaky. I am about ready to place on the street a cart, built on somewhat different lines than the one now in vogue. The cart is made in a somewhat heavier manner, but the remodelling has been confined wholly to the tail-boards, with a view to making the carts nearly water-tight; this cart will be given a thorough test as regards water-tight properties. I respectfully and earnestly recommend that twenty new dirt carts be purchased during the year.

The various double and single machines and the water carts have undergone extensive repairs during the past year, so that I am able to say that the machines, at least, are in better condition than ever before.

The harnesses, although old, are in very fair shape. No new harnesses have been purchased during the year.

The Division maintains a blacksmith and carpenter shop in the South yard of the Sanitary Division. Here the machines, carts, push-carts, etc., are repaired.

VIOLATION OF CITY ORDINANCES.

The greatest drawback to street cleaning that we have in this city to-day is the constant and unrestrained violation of the City Ordinances in relation to throwing rubbish and waste material into the streets. With a good and effective street cleaning organization as we have to-day, and with a determined and constant co-operation of the Police Department of the city, we ought to be able to preserve a state of cleanliness that would be reasonably acceptable to the public. If it should prove impossible, for any reason, to secure such co-operation, it might be practicable—and it would certainly be worth the experiment—to have special officers or inspectors appointed, who should be invested with all the authority of the police to enforce these

sanitary ordinances. As we have not had the power of acting directly ourselves, I have instructed my foremen throughout the city to act as inspectors and to make formal complaints to the captains of the various precincts. In this way, at least, I hope to be able to bring to the attention of the police authorities all persons who are violating the City Ordinances.

CROWDED SECTIONS.

I would call to your attention certain sections of the city which, so far as street cleaning is concerned, do not become any better. At the North and West Ends there is a large foreign population, and, although we have now to contend with streets travelled more than formerly, with an increased population and in a small crowded area, peopled by entirely new and in many cases ignorant classes, the Street Cleaning force has not been materially increased since the organization of the Division.

SUBWAY.

The operations of the Transit Commission during the past year have made our work extremely laborious and expensive, on account of the large amount of teaming of materials used in the construction, not to mention the dirt that has been excavated and carted away. The work on the subway being along the principal thoroughfares, we have endeavored to maintain the same standard of efficiency, in spite of the many annoyances and disturbances occasioned by this important work. While there has been some disposition, on the part of the Transit Commission, to remove the excess of dirt occasioned by the operations, there has not at all times been a satisfactory amount of painstaking on the part of the contractors.

PUSH-CART SYSTEM.

The push-cart system has been managed effectively and efficiently during the past year. The force has been increased by the addition of nine new routes, covering the newly-paved portion of Huntington and Columbus avenues, the Salem street section at the North End and the Genesee street section at the South End. Beacon street has been patrolled from Charles to Tremont street, and we have also placed a man in charge of all the crossings at Copley square. We have also adopted a uniform cap and badge, and are now contemplating the semi-uniforming of the push-cart patrolmen.

I will endeavor during the coming year to still further extend the system, and also to make some minor changes that I believe will render the force more efficient, such as the addition of an extra barrel to all the men and the shortening of some of the routes, in order that the sections covered may be kept in a more cleanly condition.

During the past year the barrels have been kept in a much neater condition; both carts and barrels being constantly repainted. I would recommend that some facilities be afforded at the dock for the cleaning of the barrels and carts used in the push-cart system.

PAPER NUISANCE.

In the outlying districts, where the streets are mostly of macadam, the paper nuisance shows to the greatest disadvantage. Macadam streets are cleaned only once a week, and unless a paper patrol is maintained, it would seem at times as if they were totally neglected. My idea is to map out routes, so that all macadam streets north of Massachusetts avenue, and also in South Boston, Charlestown and Roxbury will be covered or patrolled every day by teams, which will be required to gather up only waste papers, pieces of wood, and other such unsightly matter that may be blown or cast into the streets.

SNOW WORK.

During the past winter we have maintained, in addition to our regular force, an emergency force, which had the care of all crossings in one of the down-town sections, namely, between Kneeland and State streets, and Atlantic avenue and Tremont street. This work has also been extended in a measure around the market section, and the thoroughfares leading from the centre of the city to the Union Station. The work of the emergency and the regular force has been to keep the crossings free from snow, slush and water at all times; it has proved very effective, and has almost wholly put a stop to the incessant complaints that the Division was in the habit of hearing in previous winter seasons.

DUMPS.

Boston is at a great disadvantage, especially in the city proper, as regards its dumping facilities. Although we have an extensive wharf front for the placing of dumping scows, the city maintains but one. In New York City there are nineteen dumping-stations equipped with one or more scows. A dumping-station should be maintained at the North End or along the line of the Charles river. At the present time, long hauls are necessary, and result in an increased expenditure for carting. At the South End and Back Bay we are still able to hold a few good places on the low lands; but the time will soon come when even these will be filled, and then it will be necessary to find new dumps, either along the water front or farther back in the suburban localities.

CIVIL SERVICE.

At the present time, there is a large percentage of old men employed by this Division, and the Veterans' Preference Act makes it hard to draw into the service the best and most

desirable. Men of fifty years and upward are not fitted for the energetic and arduous duties of this Division. It would seem that this Division of the Street Department, like the Police and Fire Departments, should have an age limit, and that a considerably lower one than fifty years, or else should not be handicapped by the workings of the Veterans' Preference Act as regards the appointment of its force. Appointments and promotions have been made wholly with regard to fitness, ability and merit, and no discharges have been made without first a fair consideration and only for good and sufficient cause. It has been my constant aim to conform to the Civil Service rules and requirements.

RELATIONS OF THE STREET CLEANING DIVISION TO THE PAVING DIVISION.

I would respectfully call to your attention, that during the past year — part of the time in the spring — the Paving Division was employed in shaping the macadam street surfaces and scraping the gutters; and I would, consequently, suggest the importance of showing, in connection with the work of this Division, the number of cart loads of waste and dirt taken from the macadamized streets of the city by the Paving Division.

Good and successful pavements are essential for good and successful street cleaning.

The many poor and uneven pavements throughout the city proper make the work of the Street Cleaning Division much harder, especially in streets where there are railroad tracks. The tendency of pavements for many years in Europe, and for half a generation in America, has been toward smoother surfaces and fewer joints. Macadam and Telford streets are not desirable within the truly city limits; the wear of heavy traffic and the effect of wet, dry and freezing weather disintegrate them rapidly. Under more than the lightest traffic, Telford and macadam cannot compete in economy, if maintained with proper care, with granite, asphalt, or even wood pavements. Smooth and durable pavements upon the streets would encourage efforts to clean them, and the entire neighborhood is influenced to a better appearance. Streets in the tenement and similar quarters should be laid with asphalt, as the surface of such pavements, being without joint, is easily cleaned, and could also be flushed or washed free from germs of all kinds by each rainfall.

CONCLUSION.

Realizing that the push-cart system is one of the most effective means of keeping our streets clean, I have endeavored to enlarge it, and have done so consistently with my appropriation. With streets cleaned every twenty-four hours by machinery, and patrolled every day by push-carts, a reasonable state of cleanliness can be expected.

I cannot conclude this report until I have expressed my appreciation of the good work of the clerks, the foremen and sub-foremen of this Division. Their co-operation and support have been at all times cordial and earnest, without which I am free to say it would have been impossible to show the work I here submit.

Respectfully submitted,

JOSHUA ATWOOD, 3D.,

Deputy Superintendent.

FINANCIAL STATEMENT.

Amount of appropriation	\$300,000 00
Transferred from Central Office	218 15
Transferred from Bridge Division	906 87
Transferred from Ferry Division	05
Transferred from Paving Division	2,961 85
Transferred from Sewer Division	2,172 94
Transferred from Surplus Revenue, 1896-97	4,006 53
 Total amount of appropriation	 \$310,266 39
Total amount of expenditures	\$310,266 39

OBJECTS OF EXPENDITURES.

Superintendence.

Salary of Deputy Superintendent	\$3,000 00
Office pay-rolls	4,210 90
Stationery	161 54
Printing	545 77
Board of horses	612 32
Telephone service	271 65
 Total cost of superintendence	 \$8,802 18

CLEANING STREETS.

Including the Cost of Sweeping, Loading, and Removal of Street Dirt.

District 1. South Boston	\$16,531 62
District 2-3. East Boston and Charlestown	13,942 11
District 7. Roxbury	16,349 50
District 8. South End	53,280 47
District 9. Back Bay	6,566 18
District 10. West End and North End	39,012 79
 Total cost of cleaning streets	 \$145,682 67

CLEANING GUTTERS.

*Including Cost of Sweeping, Loading, and Removal of
Street Dirt.*

District 1.	South Boston	\$2,862 72
District 2-3.	East Boston and Charlestown	3,569 34
District 7.	Roxbury	6,425 16
District 8.	South End	3,334 90
District 9.	Back Bay	3,960 33
District 10.	West End and North End	1,229 92

Total cost of cleaning gutters	<u>\$21,382 37</u>
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Total length of gutters cleaned, 2,819.94 miles.

Average cost per mile (including dump), \$7.74.

COST OF MAINTAINING DUMPS.

District 1.	South Boston	\$498 00
District 2-3.	East Boston and Charlestown	568 00
District 7.	Roxbury	
District 8.	South End	1,289 74
District 9.	Back Bay	439 95
District 10.	West End and North End	1,124 32

Total cost of dumps	<u>\$3,920 01</u>
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REMOVING SNOW.

Including Labor on Crossings, in Streets, Carting of Snow, etc.

District 1.	South Boston	\$2,862 94
District 2-3.	East Boston and Charlestown	2,326 03
District 7.	Roxbury	5,964 70
District 8.	South End	9,918 29
District 9.	Back Bay	779 82
District 10.	West End and North End	6,439 08

Total cost	<u>\$28,290 06</u>
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MISCELLANEOUS WORK.

This shows the cost of such work as may not be characterized the same in all districts.

*Including Miscellaneous Work, Sweeping and Carting of
Leaves, etc.*

District 1.	South Boston	\$195 82
District 2-3.	East Boston and Charlestown	6 30
District 7.	Roxbury	278 50
District 8.	South End	271 95
District 9.	Back Bay	7 35
District 10.	West End and North End	192 38

Total cost	<u>\$932 30</u>
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CLEANING CROSSINGS.

Including Cost of Manual and Machine Labor.

Cost of cleaning crossings	\$1,382 84
Removing snow by patrol	2,463 60
Total cost	<u>\$3,846 44</u>

PATROLLING BY DISTRICTS.

*This Includes the Cost of Picking up and Removal of Refuse
Papers, etc., from the Streets.*

Cost of paper patrol	<u>\$1,697 95</u>
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PUSH-CART PATROL SYSTEM.

Superintendence, inspection, etc.	\$2,137 98
Push-carts, including labor and teaming	29,483 55
	<u>\$31,621 53</u>

Recapitulation of Expenses, exclusive of Superintendence, Stable and Yard Expenses, Stock and Miscellaneous Accounts.

DISTRICTS.	Cost of Cleaning Streets.	Cost of Cleaning Gutters.	Cost of Dumps.	Cost of Snow.	Miscellaneous Work.	Cost of Crossings.	Patrolling in Business Districts.	Cost of Patrol System.	Total.
1.....	\$16,531 62	\$2,862 72	\$498 00	\$2,862 94	\$195 82	.....	.....	.....	\$22,951 10
2-3.....	13,942 11	8,569 34	568 00	2,326 03	6 30	.....	.....	.....	20,411 78
7.....	16,349 50	6,425 16	.....	5,964 70	278 50	.....	.....	.....	29,017 86
8.....	53,280 47	3,334 90	1,289 74	9,918 29	271 95	.....	.....	.....	68,095 35
9.....	6,566 18	3,960 33	439 95	779 82	7 35	.....	.....	.....	11,753 63
10.....	39,012 79	1,229 92	1,124 32	6,439 08	172 38	.....	.....	.....	47,978 49
Cost of sweep- ing crossings	.....	.....	.....	.....	.....	\$3,846 44	.....	.....	3,846 44
Patrolling in business dis- tricts.....	.....	.....	.....	.....	.....	.....	\$1,697 95	.....	1,697 95
Push-cart pa- trol system..	.....	.....	.....	.....	.....	.....	.....	\$31,621 53	31,621 53
Total.....	\$145,682 67	\$21,382 37	\$3,920 01	\$28,290 86	\$932 30	\$3,846 44	\$1,697 95	\$31,621 53	\$237,374 13

STABLE AND YARD EXPENSES.

*Including the cost of the South End, West End, Roxbury,
South Boston and Charlestown stables, as follows :*

Superintendence of stables	\$1,219 53
Labor, including the cost of feeders, hostlers, broom-makers, blacksmiths, carpenters, watch- men, yardmen, messenger, etc.	20,100 71
Cart and carriage repairs	4,796 16
Harness repairs	1,014 19
Horse-shoeing	3,103 14
Sweeping-machine repairs	2,635 35
Stable and shed repairs	302 78
Street car tickets and ferry passes	806 00
Tool repairs	101 05
Veterinary services and medicine	1,268 19
Total	<u>\$35,347 10</u>

STOCK ACCOUNT.

Broom stock purchased	\$4,705 15
Carts and carriages purchased	530 00
Harnesses and horse furnishings purchased	297 70
Horses purchased	1,835 00
Tools purchased	537 32
Waste barrels	175 00
Patrol stock and maintenance of same	1,211 23
Total	<u>\$9,291 40</u>

MISCELLANEOUS.

Holidays	\$11,562 46
Scow (cost of disposal at sea of 36,072 loads of street-dirt)	4,794 97
Sundries	2,353 56
Committee on claims, vote of	1,500 00
Total	<u>\$20,210 99</u>

GENERAL RECAPITULATION OF EXPENSES.

Superintendence	\$8,802 18
Cleaning streets	145,682 67
Cleaning gutters	21,382 37
Maintaining dumps	3,920 01
Removal of snow and ice	28,290 86
Miscellaneous work	932 30
Cleaning crossings	3,846 44
Paper patrol in business districts	1,697 95
Carried forward	<u>\$214,554 78</u>

<i>Brought forward.</i>	.	.	.	.	.	\$214,554 78
Patrol system, push-carts	.	.	.	.	.	31,621 53
Stable and yard expenses	.	.	.	.	.	35,347 10
Stock account	.	.	.	.	.	9,291 40
Miscellaneous	.	.	.	.	.	20,210 99
						\$311,025 80

NOTE.—Of the above amount, the sum of \$759.41 was paid by other departments and divisions, on account of work done, etc., making the net expenses of this division, as shown in the financial statement, \$310,266.39.

INCOME.

Amount of the bills deposited with the City Collector during the financial year ending Jan. 31, 1897, \$5,833.08.

Table showing the Cost per Mile of Cleaning the Streets in each District, exclusive of Supervision and other Expenses.

DISTRICTS.	Miles of Streets Cleaned.	Cost of Cleaning.	Pro Rata Cost of Dumps.	Total Cost.	Cost per Mile.
1.....	990.46	\$16,531 62	\$424 49	\$16,956 11	\$17 11
2-3.....	1,046.47	13,942 11	452 21	14,395 32	13 75
7.....	655.01	16,349 50	.....	16,349 50	24 96
8.....	5,280.72	53,280 47	1,213 73	54,494 20	10 31
9.....	676.08	6,566 18	274 42	6,846 60	10 11
10.....	3,430.82	39,012 79	1,089 94	40,102 73	11 68
		12,079.56	\$145,682 67	\$3,455 79	\$149,138 46

Average cost per mile of cleaning streets in six districts, exclusive of supervision, etc., \$12.34.

Table showing the Cost per Mile of Cleaning the Streets in each District, including Supervision, Labor, Yard and Stable Expenses.

DIS-TRICTS.	Miles of Streets Cleaned.	Cost of Cleaning Streets.	62% of the Total Cost of Supervision.	73% of the Total Cost of Yard and Stable Expenses.	Total Expense.	Total Cost per Mile.
1 . .	990.46	\$16,956 11	\$620 48	\$2,933 69	\$20,510 28	\$20 70
2-3 .	1,046.47	14,395 32	526 76	2,490 63	17,412 71	16 62
7 . .	655.01	16,349 50	598 27	2,828 74	19,776 51	30 19
8 . .	5,280.72	54,494 20	1,994 08	9,428 38	65,916 66	12 48
9 . .	676.08	6,840 60	250 32	1,183 53	8,274 45	12 23
10 . .	3,430.82	40,102 73	1,467 44	6,938 41	48,508 58	14 13
		12,079.56	\$149,138 46	\$5,457 35	\$25,803 38	\$180,399 19

Average cost per mile of cleaning the streets in six districts, including supervision, etc., \$14.93.

Table showing the Number of Loads of Street Dirt Removed.

DISTRICTS.	Number of Loads of Dirt Removed.	Cost per load of cleaning streets and removing to dumps, including Foreman's Superintendence.
1	15,751	\$1 23
2-3	11,692	1 49
7	21,240	1 07
8	29,396	1 92
9	6,502	1 61
10	21,411	1 87
	105,992	
Removed by paper patrol	1,616	Barrel loads.
Removed by push-cart, patrol system	5,353	58,986
Removed by district push-carts		2,692
Totals	112,961	61,678

Total number of cart loads removed	112,961
Total number of barrel loads removed	61,678

36,072 loads of the above dirt (or 31 per cent) were delivered at the dumping scow, the towing of which to sea cost 15 cents per load. In addition to the above, 28,819 single loads and 3,688 double loads of street scrapings were removed from the streets by the Paving Division.

PUBLIC WASTE BARRELS.

Total number of waste barrels emptied	26,346
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FORCE EMPLOYED.

Deputy Superintendent	1
Clerk	1
Messengers	3
Employees in the division not including the above	321
Entire force	326
Average force employed during the year	316

APPENDIX G.

REPORT OF DEPUTY SUPERINTENDENT OF STREET
WATERING DIVISION.742 TREMONT BUILDING,
BOSTON, Feb. 1, 1897.Mr. BENJ. W. WELLS, *Superintendent of Streets* :

DEAR SIR: I herewith respectfully submit the annual report of the expenditures, income and operations of the Street Watering Division, for the financial year ending Jan. 31, 1897.

The street watering season of 1896 has been a remarkable one in many ways. It was one of the most trying from a weather standpoint, and this, coupled with the fact that the appropriation was smaller by many thousands than heretofore, makes the results attained highly satisfactory. While expressing satisfaction with the work accomplished during the year, the division does not wish to give its approval to continued small appropriations for street watering purposes. The growth of the city, and the open character of our winters, necessarily lengthening the season, make it imperative that a substantial increase should be made in the amount assigned for this work.

The season began the 25th of March, and carts were employed in parts of the city proper as late as the 4th of December. Some were really needed during days in January, but the thermometer was so low that ice formed as soon as water was thrown from the carts, which were called out to relieve the dust nuisance. It is decidedly dangerous to horse travel to attempt to water streets when the temperature is below freezing, and there seems to be no method by which the dust can be overcome, except, perhaps, by frequent sweeping and scraping.

The construction of the subway has been the occasion of much dust, and consequent public complaint. The best possible effort has been made to keep the dust down along Tremont and the other streets used by the Transit Commissioners, but when the weather becomes cold it is a nuisance that frequent sweeping cannot altogether abate.

As Blue Hill, Huntington, and Commonwealth avenues near completion it becomes necessary to provide for their care. The present force of carts has been given more miles of streets than efficiency should require, and an increase must be made to water the avenues mentioned. It is also the opinion of

the division that an auxiliary force should be maintained to use in emergency cases and on exceptional days when the regular number of carts is inadequate. Fully seven extra carts are needed for regular work during the coming season. They are required by the natural growth of the city, the acquisition of the above avenues, and the reduction of some of the overworked routes.

The auxiliary force should be maintained as follows: South Boston, 2 carts; East Boston, 2 carts; Charlestown, 1 cart; Brighton, 3 carts; West Roxbury, 4 carts; Dorchester, 4 carts; Roxbury, 4 carts; city proper, 5 carts; total, 25. This force would be very valuable during an unusually dry spell, and in case of negligence on the part of any of the regular force could be called upon to displace them. To discipline a cart-owner, where there are only enough carts to do the work, is like punishing the division; for the force is made so much less, no carts as a rule being available to do the work of the negligent one. In connection with providing this auxiliary force it may be well to ask, will the contractors invest in a plant which insures so little profit as a watering cart? This is the one great impediment in providing the force.

During an average season some 202,160,000 gallons of water are used for street watering. This tremendous use of fresh water must, as years go on, be prevented by the use of salt water. The systematic and gradual construction of salt water mains is the only solution to the introduction of salt water, and this has already been suggested in connection with the use of salt water for fire purposes. To use salt water now by the old pumping-stations would entail a very large expense, and is impracticable. Attention is called to this matter here to show the necessity of providing for some method of saving the fresh water, and it is needless to state that salt water for watering streets is superior to it.

The expense of the division last year was \$71,211.81, the smallest in its history. It may be considered the lowest figure at which our 305 miles of macadam streets can be watered. The efficiency and method of the department has reached the highest degree of excellence; and in the future the expenses may be expected to show an increase commensurate with the growth of the city.

The trial of watering streets by electric watering cars has proved such a success that it should be one of the earliest efforts of the department to make the West End Street Railway Company water the streets through which its tracks run. If this is accomplished the increase demanded for the regular force could be provided from the carts removed from the streets on which the West End Street Railway Company will operate its cars. Nothing is risked in saying that not only could the division do this, but it could also give extra watering service throughout the city.

The following sums have been expended for street watering during the past six (6) years :

1891	.	.	\$104,263 62	|	1894	.	.	\$87,169 08
1892	.	.	94,507 80	|	1895	.	.	76,424 70
1893	.	.	99,430 16	|	1896	.	.	71,211 81

The income during the last year was \$952.50.

Respectfully submitted,

THOS. J. FINNERAN,

Deputy Superintendent Street Watering Division.

FINANCIAL STATEMENT.

Amount of appropriation	.	\$70,000 00
Transferred from Sewer Division . .	.	1,211 81
Total amount of appropriation . .	.	\$71,211 81
Total amount of expenditures . . .	.	<u>\$71,211 81</u>

Objects of Expenditures.

DISTRICTS.	Hired Carts.	Labor.	Water. Posts.	Bicycles and Repairs.	Horse- hire.	Repairs of Carts.	Board of Horses.	Sundries.	Totals.	DISTRICTS.
South Boston.....	\$3,475 00	\$399 00	\$188 44	\$73 00	.....	.....	.....	.....	\$4,135 44	South Boston.
East Boston.....	3,532 50	395 50	222 09	36 50	.....	.....	.....	.....	4,186 89	East Boston.
Charlestown.....	3,240 00	407 75	134 60	36 50	.....	.....	.....	.....	3,818 85	Charlestown.
Brighton.....	6,567 50	406 00	296 12	36 50	.....	.....	.....	.....	7,306 12	Brighton.
West Roxbury...	9,045 75	686 00	444 18	73 00	.....	.....	.....	.....	10,248 93	West Roxbury.
Dorchester.....	9,105 75	819 00	551 86	73 00	.....	.....	.....	.....	10,549 61	Dorchester.
Roxbury.....	9,932 25	812 00	457 64	73 00	.....	.....	.....	.....	11,274 89	Roxbury.
City Proper.....	11,434 50	5,090 31	351 97	36 45	\$290 00	\$989 25	\$325 60	\$873 30	19,691 38	City Proper.
Totals.....	\$56,333 25	\$9,015 56	\$2,646 90	\$437 95	*\$290 00	\$989 25	\$625 60	\$873 30	\$71,211 81	Totals.

* New horse included.

2 Five hydrants included.

INCOME.

The division watered in front of 127 school-houses, 9 police stations and 37 engine-houses. The charges against the Board of Police and Fire Department have been paid, but the School Committee, as usual, ignores its debt.

The following sums were charged for street watering, and bills for the same deposited with the City Collector during the financial year ending Jan. 31, 1897:—

Fire Department	\$470 40
Board of Police	136 85
Homœopathic Hospital	105 00
Louisburg Square	100 00
Fairfax and Beaumont streets	75 00
Marcella-street Home	28 00
State House grounds	25 00
Boston Dispensary	12 25
Total	<u>\$952 50</u>

The bill against the School Committee amounts to \$3,466.54.

Summary of Day Work paid for by the City.

No.	DISTRICT.	No. Carts.	No. Miles Covered.	Average per Cart.
1 . .	South Boston	9	23.05	2.56
2 . .	East Boston	8	21.63	2.70
3 . .	Charlestown	7	15.00	2.14
4 . .	Brighton	13	32.65	2.51
5 . .	West Roxbury	18	61.06	3.39
6 . .	Dorchester	19	63.31	3.33
7 . .	Roxbury	19	54.19	2.85
8 . .	Back Bay	10	15.93	1.59
9 . .	Beacon Hill	2	4.25	2.12
10 . .	South End	7	14.36	2.05
	Totals	112	305.41	2.72

The above summary shows that 112 carts watered 305.41 miles of macadam streets this year. Last year the same number of carts watered 301.92 miles of streets. The cost of the watering exclusive of supervision was \$184 per mile, or \$56,333.25, against \$214 per mile last year and an expense of \$64,532.75. The work this year, as last, was done entirely by day work under the immediate control of the division. The abolition of the contract work and substitution of day work has given street watering service at the lowest possible cost, and hereafter with the growth of the city and the open character of our winters the expense may be expected to increase.

Attention should be directed to the fact that the appropriation is now so small that only the absolute necessities of the service are provided for, and little or no freedom is allowed for unusual conditions. Streets outside of the City Proper are watered twice a day and this is sufficient for the majority of them, but there are many on which the traffic is so great that they should be watered three and four times. Provisions are now made whereby all important highways are watered at least three times, but in some sections the force and expense will not permit of this really necessary arrangement.

Our citizens are continually demanding increased service, and no work done by any other branch of the department is more appreciated than that of street watering.

Work done by Contractors at the Expense of the Abutters.

DISTRICTS.	Contractors.	Carts.	Miles.
City Proper	Daniel Clark	4	4.45
City Proper	Potter Bros. . . .	5	8.75
City Proper	Proctor Bros. & Co. . . .	5	7.25
City Proper	C. Nute & Son	1	2.73
East Boston	J. J. Fitzpatrick	1	2.00
Charlestown	W. H. Quigley	1	2.00
Roxbury and South Boston	H. P. Cook & Co. . . .	3	7.78
Roxbury	Gilligan Bros. . . .	1	1.25
Totals		21	36.21

The above table gives the work done by contractors for the abutters on paved streets. The work is substantially the same as last year. Notwithstanding how many times explained it always seems necessary to state for a large number that the division waters only macadam streets.

While upon this subject it is perhaps well to point out that the method of watering paved streets is not altogether satisfactory, inasmuch as some receive service they do not, or are not willing to pay for. There is no compulsion about the watering of paved streets, and where A desires it done B may not be willing to pay for his share. Such conditions frequently arise, and the contractor refuses to water except where he is assured a profit for his work.

From a careful investigation it would appear that the watering of all paved streets could be done by the division for \$50,000. It needs no argument to prove that the watering could be done better under day than contract work, and there are many parts of the city not now watered because of the expense, where this privilege would be a great benefit to the health of the people living in the congested communities.

In connection with the suggestion that the city water the paved streets free of cost to the abutter it should be urged that the division still feels that the West End Street Railway Company ought not to be relieved by any such arrangement of its manifest duty to water its tracks. If the West End took care of the streets through which it runs its cars the expense would be very much reduced; but \$125,000, it may be safely stated, will water every accepted street, paved and macadam, within the city limits. This matter is respectfully set forth for your consideration.

Work done by the Contractors Free of Cost to the City.

NAME.	Carts.	Miles.
Daniel Clark	$\frac{1}{2}$	0.86
Potter Bros.	$\frac{3}{4}$	1.12
Proctor Bros. & Co.	1	1.75
O. Nute & Son	$\frac{1}{8}$	0.21
H. P. Cook & Co.	$\frac{3}{4}$	1.09
Gilligan Bros.	$\frac{1}{4}$	0.54
Totals	$2\frac{3}{8}$	5.57

The amount of work done by the contractors in return for their franchises remains the same as last year. Most of this gratuitous service is done in sections, where it would be exceedingly difficult to operate a day cart under the control of the division, as there is not enough work to keep one cart employed all the time. An expense of \$2,000 is saved the division by this watering.

Distribution of Carts showing Entire Amount of Work done.

No.	DISTRICT.	Hired Carts.	Contractors' Carts.	Total.	Miles.
1. . .	South Boston	9	1	10	25.98
2. . .	East Boston	8	1	9	23.63
3. . .	Charlestown	7	1	8	17.00
4. . .	Brighton	13		13	32.65
5. . .	West Roxbury	18		18	61.06
6. . .	Dorchester	19		19	63.31
7. . .	Roxbury	19	3	22	60.24
8, 9, 10	City Proper	19	15	34	57.72
	Free watering	. .	$3\frac{3}{8}$	$3\frac{3}{8}$	5.57
	Totals	112	$24\frac{3}{8}$	$136\frac{3}{8}$	347.16

Water-Posts or Stand-Pipes.

During the year three new stand-pipes were erected and three relocated for the benefit of the service. Five hydrants were established to test street sprinkling with electric cars.

The location is shown by districts:—

DISTRICTS.	1891.	1892.	1893.	1894.	1895.	1896.	Electric Hydrants.	Incr.
South Boston .	23	25	27	27	28	28		
East Boston .	16	23	28	32	33	34		
Charlestown .	19	19	20	20	20	20		
Brighton . .	25	39	42	44	44	44		
West Roxbury,	50	59	60	65	66	67	. . .	1
Dorchester . .	61	72	75	82	82	83	. . .	1
Roxbury . .	53	60	65	68	68	68		
City Proper .	24	42	45	48	52	53	5	1
Total . .	271	339	362	386	393	396	5	3

NOTE.—An increase of 125 stand-pipes since 1891.

The use of bicycles by the men having charge of the watering in the various sections continues to give highly satisfactory results in the matter of efficiency.

Mr. J. W. Smith, the Local Forecast Official, still obliges us with daily weather reports of great value.

The Water Department continues its assistance in the matter of meeting our requirements in the repair of stand-pipes and the use of water.

APPENDIX H.

CITY OF BOSTON, ENGINEERING DEPARTMENT,
50 CITY HALL, JAN. 31, 1897.

MR. BENJAMIN W. WELLS, *Superintendent of Streets*:

SIR: I herewith submit the following report of the work done under my direction for the Street Department during the year 1896.

BLUE HILL AVENUE.

The work on this avenue from Grove Hall to Walk Hill street a distance of 2.21 miles is in a forward state. It is substantially completed from Grove Hall to the principal entrances to Franklin Park, and the remaining portion was so far advanced, that one fairly good roadway for the entire length under construction was in use during the winter. During the year the excavation or rough grading has been completed, the work on the sewers, water and gaspipes has been carried forward nearly to completion and about one-half the work of roadway construction done. The avenue to Walk Hill street should be completed during the working season of 1897.

The construction of the remaining part of the avenue from Walk Hill street to Mattapan, a distance of .65 mile has not yet been ordered.

The total amount of excavation made has been as follows:—

Earth		136,984.53	cubic yards.
Rock		33,913.59	“ “
Total		170,898.12	“ “

There has been a large surplus of excavated material, and after completing the filling required, the remainder has been disposed of as follows:—

Delivered on Lauriat avenue (haul about 0.46 mile),	7,524	cu. yds.
“ “ Geneva “ (“ “ 1.67 “),	6,083	“
“ “ Columbus avenue between Dimock street and West Walnut Park (haul about 1.60 miles)	7,899	“
Delivered on Talbot avenue (haul about 0.17 mile),	5,000	“
Total		26,506 “

In addition to the above, large and unmeasured quantities of filling have been delivered on Franklin Field, Franklin Park, and

on Blue Hill avenue beyond Walk Hill street. On the section nearest Grove Hall, the surplus, amounting to 3,291 cubic yards, was disposed of by the contractor under the contract. A large part of the rock excavated was of such inferior quality as to be only suitable for filling. From the cut near Walk Hill street, however, suitable stone was found, and enough was saved to furnish stock for Telford base for about 16,000 square yards or about 1.07 miles of one roadway.

The total cost of excavation including its delivery as above indicated has been as follows :—

Earth, 136,984.53 cubic yards	.	.	.	.	\$57,603 44
Average cost per cubic yard	.	.	.	.	0.4205
Rock, 33,913.59 cubic yards	.	.	.	.	35,620 87
Average cost per cubic yard	.	.	.	.	1 05

Most of the work remaining to be done is under contract and partially completed. There remains one section of roadway, from Glenway street to Canterbury street, which can be put under contract on the completion of the sewer, gas and water-pipe work. The construction of a retaining-wall next Franklin Park must follow the completion of the above-named section of roadway, as its site is now occupied by the temporary roadway.

The Street railroad has been rebuilt from Grove Hall, and extended 0.95 mile to Harvard street.

The grade established for Blue Hill avenue caused a cut of about 11 feet at the entrance to Back street (now Harvard street) and a temporary connection was made between them; this was done by contract and is not yet entirely completed. The cost will be about \$1,110.

At McLellan street the difference in grade was about 10.5 feet and excavation for a connection has been in progress by the Street Department during the winter; at other intersections, where there are only slight differences in grade, connections will be made by the contractors.

COLUMBUS-AVENUE EXTENSION.

Columbus avenue, from Northampton street to the Roxbury crossing, has been substantially completed. It has an asphalt roadway, from curb to curb, 54 feet in width, with a double-track street railway. The rails used are full-grooved, with both tread and guard on a level with the asphalt surface.

From Northampton street to the southerly line of Terry street, a distance of 3,276 feet, the surface is Trinidad asphalt, laid by the Barber Asphalt Paving Company, the concrete base is generally 6 inches in thickness, but for a part of the length over the deepest mud the thickness was increased to 10 inches. The remainder of the work, 884 feet in length, was laid on a 6-inch concrete base by the Boston Asphalt Company, with imported Sicilian natural rock asphalt. The preparation of the

roadbed was made by the regular force of the Street Department, large quantities of unsuitable material was removed, and 10,987 cubic yards of gravel was delivered by contract and used for grading. A steam-roller was kept in use upon it for several months, and while settlement is apparent in places, the general result is better than could have been reasonably expected, when the very bad character of the ground is taken into account. The edgestone were set and the brick sidewalks laid under the supervision of the Street Department. The price paid for asphalt, including a 6 inch base of American cement concrete, was \$2.90 per square yard for both sections. The section of the avenue from Massachusetts avenue to Northampton street was surfaced with Trinidad asphalt, so that Columbus avenue now has a continuous asphalt surface from the Boston & Albany R.R. bridge to the Roxbury crossing, a distance of 1.5 miles.

The section of the avenue between Roxbury crossing and Stony brook, near Ritchie street, is occupied at present by the contractors for the new conduit for Stony brook, and the surfacing of the street can only be commenced upon the completion of this work, and of the work upon the other sewers, gas and water pipes.

The section between Ritchie street and West Walnut park can be put under contract upon the completion of the underground pipe work, which is in a forward state. The remaining section of the avenue, extending from West Walnut park to Walnut avenue, is nearly completed. It is a Telford macadam roadway with edgestones and brick sidewalks. It was let in one contract. The surplus excavated material was used upon the adjoining section, and the work was carried far enough before it was closed by the weather, to allow the roadway to be kept open during the winter.

It is expected that the avenue can be completed during the working season of 1897.

HUNTINGTON AVENUE.

This avenue extends from Copley square to the Brookline line, a length of 2.25 miles. From Copley square to Francis street, a distance of 1.75 miles, it is 100 feet in width, and is built with a central reserved space 25 feet wide for street cars, two roadways each 25 feet wide and two sidewalks each $12\frac{1}{2}$ feet wide. The remainder of the avenue is 80 feet in width, with one roadway 54 feet in width, with a double track street railway in the centre, built in the usual manner without a special reservation. The sidewalks are each 13 feet wide. Beginning at Copley square the first section .13 of a mile long, to the Boston & Albany R.R. bridge, has Telford macadam roadways and brick sidewalks. This section was built by the regular force of the Street Department. The bridge over the railroad was stripped, cleaned, painted and newly floored above the iron girders. One new girder

was added to carry a new 42-inch water pipe, and in rebuilding, the surface of the bridge was rectified to correspond with the revised grade and cross section of the avenue.

From the bridge to Gainsborough street, a distance of .57 of a mile, the roadways are laid with natural rock asphalt, on a 6-inch American cement concrete base. The grading was done by the regular force of the Street Department. The edgestones and brick sidewalks were laid by contract with materials furnished by the department. The asphalt including base was laid by the Boston Asphalt Company and cost \$2.90 per square yard. The intersection at Massachusetts avenue which has double street railroad tracks on each avenue, connected by eight curves, is paved with granite blocks on gravel. The next section, from Gainsborough to Longwood avenue .78 of a mile in length has Telford macadam roadways and gravel sidewalks; it was built by H. Gore & Co. with materials principally furnished by the Street Department. The remainder of the avenue, .74 of a mile in length has Telford macadam roadways and was built by Doherty & Connors, with materials furnished by the Street Department. A few details remain to be completed upon this avenue and the work done upon it late in the season will require some further attention early in the spring.

The reserved space upon which the street cars run has been loamed, with the intention of seeding it to grass; this work has been done by the West End Street Railway Company which has also done similar work upon Commonwealth-avenue extension and Blue Hill avenue.

BRIGHTON AVENUE.

This avenue extends from Commonwealth avenue to Union square, Allston, a length of .67 of a mile. It is 100 feet wide, with a central loamed reservation 25 feet wide, for street cars, two roadways, the northerly one 30 feet wide, and the southerly one 25 feet wide, and two sidewalks, each 10 feet wide. The roadways are built of Telford macadam, with 10-inch base and 6-inch cracked stone covering, with block stone gutters, edgestones and gravel sidewalks.

The work was done by Doherty & Connors, with materials (except gutter blocks and flagging) furnished by the Street Department. The surplus excavated material was deposited on Commonwealth avenue, near Cottage-Farm bridge. The work of building has been completed, with the exception of repairing such defects as may develop during the winter.

COMMONWEALTH-AVENUE EXTENSION.

The extension of Commonwealth avenue to the Newton line has been so far completed as to be in use during the winter. Some work is yet to be done, and work done late in the season will require attention in the spring. The avenue has been in use

since September. The work of excavation under Neil McBride's contract, let in 1895, was completed early in the year, and large quantities of excellent stone for Telford base and for crushing, including a quantity of the finest trap rock, was quarried and stored on adjoining land, and enough to supply the city's crusher was delivered daily at the Chestnut Hill avenue crusher, near by. Substantially enough stone was quarried and saved to build the roadways and furnish a foundation for the sidewalks. The work of building the avenue was let to John A. Whittemore's Sons, in May, 1896. Block stone for gutters was furnished by the Street Department, and the contractors hauled the stone previously quarried and not required for Telford base to the crusher, and drew crushed stone from the stock there as required. The roadways are built with an 8-inch Telford base and 4-inch crushed stone surface, block stone gutters, without edgestones, and gravel sidewalks, with broken stone foundation.

The width of the avenue at this section is 120 feet. The northerly roadway is 25 feet wide, the southerly roadway 40 feet wide, the reserved and loamed space for street cars is 25 feet wide, and the two sidewalks are each 15 feet wide.

The stone arch which marked the entrance to the Chestnut Hill Driveway was taken down and stored on the grounds of the Water Department by William Miller, at the contract price of \$874. The face wall on the Water Department front on the avenue was rebuilt in its new position at a cost of \$1,684.10. The contracts of both McBride and Whittemore are not yet settled.

The construction of this section completes the connection between Commonwealth avenue in Boston, and Commonwealth avenue in Newton, making a continuous wide avenue extending from the Public Garden in Boston to Charles river on the further boundary of the city of Newton, a distance of 11.14 miles, 5.59 miles of this avenue being in Boston, and 5.55 miles in Newton.

The table showing lengths and areas of paving on accepted streets has been brought up to Feb. 1, 1897.

Street paving has been supervised in all cases where requested. All paving laid on the before-mentioned avenues is included in the quantities given. All granite paving laid on concrete base has been laid with pitch and pebble joints.

Block stone pavement, on a concrete base, laid with pitch and pebble joints, 9,308.9 square yards.

Block stone pavement, on a gravel base, laid with pitch and pebble joints, 5,752 square yards.

Block stone pavement, on a gravel base, laid with gravel joints, 29,046.7 square yards.

Trinidad sheet asphalt, with a binder course of asphaltic cement concrete on an American cement concrete base, 24,782.76 square yards, at a cost of \$2.90 per square yard for large areas, and \$3 per square yard for small areas, not including the preparation of the roadbed.

Sicilian rock asphalt on an American cement concrete base, 26,717.2 square yards, at an average cost of about \$2.90 per

square yard for large areas, and \$3. per square yard for small areas, not including the preparation of the roadbed.

Edgestones set, 107,833 linear feet; gutter paving laid and relaid, 44,823.3 square yards; brick sidewalks laid, 49,314.2 square yards; gravel sidewalks constructed, 43,888.3 square yards; flagging crosswalks laid, 6,044.16 square yards.

All asphalt paving is laid with a maintenance guarantee for five years.

Acton street, Washington street to Bradford street, was paved with 2½ inches of Sicilian rock asphalt, on a 6-inch American cement concrete base, by the Boston Asphalt Company. The roadway was subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Street Department. The former surface was macadam, with cobble-stone gutters. One new catch-basin was built on Bradford street, and one square granite catch-basin frame was removed and a cast-iron D frame substituted.

Batterymarch street, Milk street to Liberty square, was paved with 2 inches of Trinidad lake asphalt, with 1½-inch bituminous concrete binder, on a 6-inch American cement concrete base, by the Barber Asphalt Paving Company. The old pavement was removed and the roadway subgraded by the Paving Division. Edgestones were reset, brick sidewalks and flagging crosswalks relaid by D. J. Kelley. Two square granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, old granite blocks.

Beach street, Washington street, across Harrison avenue, was paved with large granite blocks on a 6-inch American cement concrete base, with pitch and pebble joints, including tracks of the West End Street Railway Company. The old pavement was barred out and loaded, roadway subgraded, concrete base and paving laid, the edgestones reset, brick sidewalks and flagging crosswalks were relaid by J. B. O'Rourke. The Street Department furnished teams for carting away old paving blocks and surplus material. The West End Street Railway Company, by agreement, paid for the portion within its tracks. Former pavement, old granite blocks.

Chauncy street, Summer street to Essex street, was paved with large granite blocks on a 6-inch American cement concrete base, with pitch and pebble joints, including the tracks of the West End Street Railway Company. The old pavement was barred out and loaded, roadways graded, concrete base and paving laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Metropolitan Construction Company. The Street Department furnished teams for carting away old granite blocks and surplus material. The West End Street Railway Company, by agreement, paid for the portion within its tracks. Former pavement, old granite blocks.

Corning street, Shawmut avenue to Washington street, was resurfaced with Trinidad lake asphalt by the Barber Asphalt

Paving Company. This work was done by the burning process, which consists in heating the old surface of the asphalt, scraping off the dead asphalt, and applying a new wearing surface. The price paid for this work was \$2. per square yard.

Columbus avenue, Massachusetts avenue to Northampton street, was paved by the Barber Asphalt Paving Company with 2 inches of Trinidad lake asphalt, with $1\frac{1}{2}$ inches bituminous concrete binder, on a 6-inch American cement concrete base. The roadway was subgraded by J. J. Sullivan; edgestones were reset, brick sidewalks and flagging crosswalks relaid by Philip Doherty. Former surface was macadam with block gutters.

Devonshire street, State street to Dock square, was paved with large granite blocks on a 6-inch American cement concrete base, with pitch and pebble joints, including tracks of the West End Street Railway Company. The old pavement was removed and roadway subgraded by the Street Department. Concrete base and paving laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by J. B. O'Rourke. The West End Street Railway Company, by agreement, paid for the portion within its tracks. At the Dock-square end of the street, about 100 square yards were repaved on a gravel base temporarily, so that the Boston Transit Commission might readily make certain gas pipe connections. Former pavement, old granite blocks on a gravel base.

Hamburg street, Mystic street to Harrison avenue, was paved with $2\frac{1}{2}$ inches of Sicilian rock asphalt on a 6-inch American cement concrete base, by the Boston Asphalt Company. The roadway was subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid, by the Street Department. Former surface was macadam, with cobble gutters. Two square granite catch-basin frames were removed, and cast-iron D frames substituted.

Hanover street, Tileston street to Charter street, and across Charter street on the north side, was paved with $2\frac{1}{2}$ inches of Sicilian rock asphalt on a 6-inch American cement concrete base, by the Boston Asphalt Company. The old pavement was removed and roadway subgraded by the Street Department. Edgestones were reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. One square granite catch-basin frame was removed and a cast-iron D frame substituted. Former pavement was old granite blocks on a gravel base.

K street, East Sixth street to East Eighth street, not including tracks of the West End Street Railway Company, was paved with $2\frac{1}{2}$ inches of Sicilian rock asphalt on a 6-inch American cement concrete base by the Boston Asphalt Company. The roadway was subgraded by the Street Department. Edgestones reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. Former surface was macadam with cobble-stone gutters. The laying of the concrete base and asphalt surface was supervised by the Street Department.

Laconia street, Washington street to Harrison avenue, was

paved with 2 inches of Trinidad Lake asphalt on 1½-inch bituminous concrete binder, on a 6-inch American cement concrete base, by the Barber Asphalt Paving Company. This street was formerly a private way, with brick sidewalks on either side, and a parkway in the centre with two rows of trees; the usual cross section for a street of this width was modified so as to preserve the best of the trees in the northerly row. The roadway was subgraded, edgestones reset, brick sidewalks and flagging crosswalks laid by the Street Department. Two new catch-basins were built.

Lowell street, Causeway street to Brighton street (including tracks of the West End Street Railway Company and Union Freight Railroad Company), was paved with large granite blocks on a gravel base and bed, with pitch and pebble joints. The old pavement was removed and the roadway subgraded by the Street Department. Block paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by D. J. Kiley & Co. By agreement, the West End Street Railway Company and the Union Freight Railroad Company paid for the portion within their tracks. Three granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, old granite blocks on a gravel base.

Meander street, Malden street to East Dedham street, was paved with 2½ inches of Sicilian rock asphalt on a 6-inch American cement concrete base, by the Boston Asphalt Company. The roadway was subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Street Department. Two square granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, cobble stones on gravel base.

Milk street, Oliver street to India street, was paved with large granite blocks on a 6-inch American cement concrete base. The old pavement was removed and roadway subgraded by the Street Department. Concrete base and paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by Jones & Meehan. Four square granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, old granite blocks on a gravel base.

Mystic street, Malden street to East Brookline street, was paved with 2½ inches of Sicilian rock asphalt, on a 6-inch American cement concrete base by the Boston Asphalt Company. The old pavement was removed, roadway subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Paving Division. Four new catch-basins were built. Former pavement was 12-inch square granite blocks on gravel base, between Malden and East Canton streets, and macadam between East Canton and East Brookline streets.

North street, Merchants row to Blackstone street, was paved with large granite blocks on a 6-inch American cement concrete base, with pitch and pebble joints. The old pavement was barred out and loaded, roadway subgraded, concrete base and paving laid, edgestones reset, brick sidewalks and flagging crosswalks

relaid by the Metropolitan Construction Company. The Street Department furnished teams for carting away old blocks and surplus excavation. Two granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, old granite blocks on a gravel base.

Norwich street, Mystic street to Meander street, was paved with $2\frac{1}{2}$ inches of Sicilian rock asphalt on a 6-inch American cement concrete base by the Boston Asphalt Company. The old pavement was removed and roadway subgraded, edgestones reset, and brick sidewalks relaid by the Street Department. Two square granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement, cobble stones on gravel base.

Ohio street, Washington street to Shawmut avenue, was paved with $2\frac{1}{2}$ inches of Sicilian rock asphalt on a 6-inch American cement concrete base by the Boston Asphalt Company. The old pavement was removed and roadway subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Street Department. Former pavement, old granite blocks on gravel base.

Pine street, Washington street to Harrison avenue, was paved with 2 inches of Trinidad Lake asphalt, with $1\frac{1}{2}$ inches bituminous concrete binder on a 6-inch American cement concrete base by the Barber Asphalt Paving Company. The roadways were subgraded, edgestones reset, brick sidewalks and flagging crosswalks relaid by the Street Department. One new catch-basin was built, and one square granite catch basin frame was removed and a cast-iron D frame substituted. Former pavement was macadam with block gutters.

St. Martin street, Bunker Hill street to Medford street, is about 533 feet long, with a difference in level between the above-named streets of 55 feet; from Medford street it rises at the rate of 14.34 feet per 100 for 170 feet; from this point five flights of artificial stone steps and platforms, 61 feet long and rising 25.8 feet, were built by Simpson Bros., at a cost of \$2,811.20. Iron hand rails and fences were built by G. T. McLauthlin & Co., at a cost of \$310. The excavation was made and foundations prepared by the Street Department. The portion of the street 170 feet from Medford street is to be constructed with a macadam roadway, granite block gutters, edgestones and brick sidewalks. The work of constructing the street was not very far advanced at the end of the working season.

Taylor street, Dwight street to Milford street, was paved with Sicilian rock asphalt on the existing concrete base, by the Boston Asphalt Company. Two granite catch-basin frames were removed and cast-iron D frames substituted. Former pavement was Trinidad lake asphalt. The laying of the asphalt was supervised by the Street Department.

Water street, Liberty square to Broad street, was paved with 2 inches Trinidad Lake asphalt, with $1\frac{1}{2}$ inches bituminous

concrete binder, on a 6-inch American cement concrete base by the Barber Asphalt Paving Company. The old pavement was removed and roadway subgraded by the Street Department. Edgestones reset, brick sidewalks and flagging crosswalks relaid by D. J. Kiley. Former pavement, old granite blocks on a gravel base.

Winter street, Tremont street to Washington street, was paved with special cut granite blocks on a 6-inch American cement concrete base, with pitch and pebble joints. The old pavement was removed and roadway subgraded by the Street Department. Concrete base and paving laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. Former pavement, old granite blocks on a gravel base.

NEW STREETS.

The following streets were constructed under chapter 323 of the Acts of the Legislature of Massachusetts of 1891, and Acts in amendment thereof or in addition thereto:—

Abbotsford street, Walnut avenue to Harold street, is about 599 feet long. The contract for constructing the surface of this street was awarded to Quimby & Ferguson. Work was begun June 16, 1896, and completed Aug. 29, 1896, at a total cost of \$1,864.03. It is a 6-inch macadam road with gravel sidewalks. Crushed stone, gutter blocks and edgestones were furnished by the city and hauled to the site of the work by the contractors. Flagging for crosswalks was furnished by the contractors.

Audubon road, Beacon street across Ivy street, is about 315 feet long. The contract for constructing the surface of this street was awarded to William Scollans. Work was begun June 29, 1896, and completed Sept. 10, 1896, at a total cost of \$5,813.83. This street is 100 feet wide; it has a 60 foot roadway, two brick sidewalks 10 feet wide, and a planting space on either side between the sidewalk and roadway. The roadway is Telford macadam (8 inches and 4 inches respectively) with granite block gutters. Telford stone, crushed stone, edgestone and gutter blocks were furnished by the city and hauled to the site of the work by the contractor. Bricks, loam and flagging for crosswalks were furnished by the contractor.

Bay State road, Sherborn street to Granby street, is about 795 feet long. The contract for constructing the surface of this street was awarded to Quimby & Ferguson. Work was begun May 4, 1896, and completed Sept. 11, 1896, at a cost of \$3,749.02. It is a 6-inch macadam road with gravel sidewalks. Crushed stone and edgestones were furnished by the city and hauled to the site of the work by the contractor. Gutter blocks and flagging for crosswalks were furnished by the contractor.

Boylston street extension, Boylston road to Brookline avenue, is about 2,070 feet long. The work of filling to sub-

grade was begun in 1894, and completed on April 27, 1895, at a cost of \$47,819.37. The contractor was John O'Brien. A contract for constructing the surface of this street was awarded to Neil McBride. Work was begun Oct. 20, 1896, and is still incomplete. It is a 6-inch macadam road, with gravel sidewalks. Crushed stone and edgestones are furnished by the city and hauled to the site of the work by the contractor. Gutter blocks are furnished and delivered on the street by the city. Flagging for crosswalks was furnished by the contractor. Before the cold weather stopped work the contractor had set all the edgestones, paved the gutters and placed nearly all the crushed stone. During the winter, as the weather permitted, he has been hauling in gravel to fill out the slopes.

Clinton street, Fulton street to Commercial street, is about 187 feet long. This street was widened 30 feet on the northerly side; it is now 70 feet wide. For taking down a building at the corner of Fulton street and removing old area and party walls, the sum of \$643.05 was paid to A. A. Elston & Co. The old pavement was barred out and roadway subgraded by the Street Department. The order for construction required granite block paving on a concrete base, with pitch joints, but, as it is intended to build part of an outfall sewer in the street, the roadway was paved temporarily with granite blocks on a gravel base. The granite block paving was laid, edgestones set, brick sidewalks and flagging crosswalks relaid by Dennis J. Kiley & Co.

Fenelon street, Washington street to Merrill street, is about 324 feet long. The contract for constructing the surface of this street was awarded to Daniel E. Lynch. Work was begun Oct. 19, 1896, and was continued as long as the weather permitted; it is very nearly completed. The street has a 6-inch macadam road, with gravel sidewalks. Crushed stone, gutter blocks and edgestones were furnished by the city, and hauled to the site of the work by the contractor. Flagging for crosswalks was furnished by the contractor.

Geneva avenue, Westville street to Dorchester avenue, is about 2,137 feet long. The contract for constructing the surface of this street was awarded to Finneran & O'Hearn. Work was commenced Nov. 13, 1896, and was continued as long as the weather permitted. It is a 6-inch macadam road, with gravel sidewalks. Crushed stone and edgestones are furnished by the city, and hauled to the site of the work by the contractor; gutter blocks are furnished and delivered on the street by the city; flagging for crosswalks is furnished by the contractor. The street is practically finished for a distance of about 600 feet.

Granby street, Commonwealth avenue to Charles river, is about 439 feet long. The contract for constructing the surface of this street was awarded to Quimby & Ferguson. Work was begun May 8, 1896, and completed Sept. 11, 1896, at a cost of \$2,203.22. It is a 6-inch macadam road, with gravel sidewalks. Crushed stone and edgestones were furnished by the city, and

hauled to the site of the work by the contractor; gutter blocks and flagging for crosswalks were furnished by the contractor. A contract for furnishing and setting a cap stone on the sea wall at Charles river was awarded to Trumbull & Ryan; capstone, 64 feet long, cost \$320.00. Another contract for furnishing and erecting an iron fence on the above capstone was awarded George T. McLauthlin & Co. for \$110.00.

Greenbrier street, Bowdoin street to Bloomfield street, is about 700 feet long. The contract for constructing the surface of this street was awarded to Quimby & Ferguson. Work was begun June 16, 1896, and completed Oct. 8, 1896, at a cost of \$2,797.05. It is a 6-inch macadam road with gravel sidewalks. Crushed stone and edgestones were furnished by the city and hauled to the site of the work by the contractor; gutter blocks and flagging for crosswalks were furnished by the contractor.

Josephine street, Geneva avenue to Ditson street, is about 627 feet long. The contract for constructing the surface of this street was awarded to J. J. Nawn. Work was begun June 4, 1896, and completed Oct. 16, 1896, at a cost of \$1,888.66. It is a 4-inch macadam road. Gravel sidewalks were ordered to be built, but on account of a petition from the abutters, a granolithic sidewalk and edgestone was laid, except in front of two lots. Crushed stone and edgestones were furnished by the city and hauled to the site of the work by the contractor. Gutter blocks and flagging for crosswalks were furnished by the contractor.

Lauriat avenue, Blue Hill avenue to Tucker street, is about 3,160 feet long. The contract for constructing the surface of this street was awarded to Doherty & Connors; work was begun Oct. 5, 1896, and was continued as long as the weather permitted. It is a 6-inch macadam road with gravel sidewalks. Crushed stone, gutter blocks and edgestones are furnished by the city and hauled to the site of the work by the contractor; flagging for crosswalks is furnished by the contractor. This street is practically finished for a distance of about 1,950 feet.

Morse street, Washington street to Bowdoin avenue, is about 223 feet long. The contract for constructing the surface of this street was awarded to Daniel E. Lynch. Work was begun Oct. 12, 1896, and was continued as long as the weather permitted; it is nearly completed. This street has a 6-inch macadam road with gravel sidewalks. Crushed stone, gutter blocks and edgestones were furnished by the city and hauled to the site of the work by the contractor; flagging for crosswalks was furnished by the contractor.

St. Alphonsus street, Tremont street to Calumet street, is about 720 feet long. The contract for constructing the surface of this street was awarded to Quimby & Ferguson. Work was begun June 24, 1896, and completed Oct. 10, 1896, at a cost of \$3,608.62. It is a 6-inch macadam road with gravel sidewalks. Crushed stone, gutter blocks and edgestones were furnished by

the city and hauled to the site of the work by the contractor; flagging for crosswalks was furnished by the contractor. The above contract includes building about 187 feet of retaining-wall, average height about 7.5 feet.

Wilder street, Washington street to Geneva avenue, is about 539 feet long. The contract for constructing the surface of this street was awarded to Finneran & O'Hearn. Work was begun Oct. 5, 1896, and was practically finished Nov. 28, 1896; a small amount of work remains to be done to finish the surface of the roadway. It is a 6-inch macadam roadway. Gravel sidewalks were ordered to be built, but at the request of the owner of abutting land they were omitted, so as to allow him to lay granolithic next season. Crushed stone, gutter blocks and edge-stones were furnished by the city and hauled to the site of the work by the contractor; flagging for crosswalks was furnished by the contractor.

Streets were filled to subgrade, by the Metropolitan Construction Company, as follows:—

Norway street, from Massachusetts avenue to Parker street, 2,541 cubic yards, at 50 cents = \$1,270.50.

Ruggles street, from Parker street to Back Bay Fens, 7,496 cubic yards, at 65 cents = \$4,872.40

Turner street, from Haviland to Astor streets, 2,380 cubic yards, at 50 cents = \$1,190.

Vancouver street, from Huntington avenue to Ruggles street, 1,444.6 cubic yards, at 65 cents = \$938.99.

Peterborough street, Boylston road to Audubon road, is about 1,833 feet long. A contract for filling this street to subgrade was made with the Boston & Albany Railroad Company, on Oct. 30, 1896, at the rate of 51 cents per cubic yard measured in the cut. Work was begun under this contract Dec. 2, 1896.

GRADING STREET RAILWAY TRACKS.

The grades for tracks in the following streets have been determined. On streets marked * the surveys were made and levels taken by the companies.

(*West End Street Railway.*)

Alford street, from Malden Bridge to the Everett line.

Amory street, Roxbury, from Centre street to the car house.

Beach street, from Washington street across Harrison avenue.

Beacon street, from Massachusetts avenue to Deerfield street.

Blue Hill Avenue, from Washington street to 1,200 feet south of Back street.

Centre street, Roxbury, at Linwood street.

Centre street, Roxbury, from Columbus-avenue extension to near Wise street.

Chauncy street, from Summer street to Essex street.

* **Chestnut Hill avenue**, from Commonwealth avenue to Sutherland road.

Columbus avenue, from Massachusetts avenue to Roxbury Crossing.

Columbus avenue, from West Walnut Park to Washington street.

Commonwealth-avenue extension, from Chestnut Hill avenue to the Newton line.

Devonshire street, from State street to Dock square.

Dorchester avenue, from West First street to West Seventh street.

East Eighth street, from Dorchester street to Mercer street.

East Sixth street, from L street to N street.

Essex street, from Washington street to Harrison avenue.

Hanover street, from Tileston street to Charter street.

Huntington avenue, from Dartmouth street to the Brookline line.

K street, from East Sixth street to East Eighth street.

Main street, Charlestown, from City square to Pleasant street.

Main street, Charlestown, from Wood street to School street.

* **Market street, Brighton**, from Western avenue to Washington street.

* **Massachusetts avenue**, from Boylston street to Huntington avenue.

* **Roxbury street**, from Pyncheon street to Eliot square.

Sumner street, East Boston, from Orleans street to Webster street.

Tremont street, from Columbus avenue to Vernon street.

Tremont street, Brighton, from Oak square to Newton line.

Washington street, from Elm street to Haymarket square. †

Washington street, Roxbury, from Vernon street to Warren street.

* **Western avenue**, from Charles river in Cambridge to Market street.

West Fourth street, at Dorchester avenue.

(*West Roxbury and Roslindale Street Railway Company.*)

* **Beech street**, from Centre street to Belgrade avenue.

* **Brandon street**, from Amherst street to South street.

* **Centre street**, from Beech street to Alarie street.

* **South street**, from Brandon street to Washington street.

* **Washington street**, from Forest Hill station to the Dedham line.

Total length of single track grades, 29.4 miles.

Surveys and plans were made for work upon the following streets and grades and lines given. The work of construction was supervised by the Street Department:—

Albany street, from Massachusetts avenue toward East Concord street, was repaved with granite blocks on a gravel base, on account of the paving of Massachusetts avenue, between Albany street and Swett street, and raising it to the established grade. The old paving was barred out and bed prepared by the Street Department. The roadway was repaved, edgestones reset, brick sidewalks and flagging crosswalks relaid by Doherty & Connors.

Arlington street, from Boylston street to Marlborough street, was resurfaced with macadam by the Street Department. Gutters relaid, edgestones reset, brick sidewalks and flagging crosswalks relaid by James Grant & Co.

Ashland street, from Chambers street to Leverett street, was paved with large granite blocks on a gravel base. The old pavement was removed and roadway subgraded by the Street Department. Granite block paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by D. J. Kiley. Former pavement was cobble stones.

City Hall avenue, a footway from School street to Court square, was paved with Hastings asphalt blocks on a gravel bed, blocks were laid on their broadest faces by H. Gore & Co. The old pavement was removed, walk subgraded and bed furnished and placed by the Paving Division. Blocks were furnished by H. Gore & Co. Former surface was brick on gravel base.

Commonwealth avenue, from Cottage-Farm bridge to Warren street. Lines and grades were given and work measured, east and west of Cottage-Farm bridge and between Harvard avenue and Allston street.

D street, from West First street to West Third street, was paved with large granite blocks on a gravel base. The roadway was subgraded by the Paving Division. Granite block paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. Former surface was macadam.

Dorchester avenue, from West First street to West Seventh street, was repaved with large granite blocks on a gravel base. The old pavement was removed and roadway subgraded by the Street Department. Granite block paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. Former pavement, old granite blocks on granite base.

East Eighth street, from Dorchester street to Mercer street (on southerly side between edgestone and car track), was paved with large granite blocks on a gravel base. The old pavement was removed and roadway subgraded by the Street Department. Granite block paving was laid by H. Gore & Co. Former pavement was old granite blocks on gravel base.

East Sixth street, from L street to N street, was paved with large granite blocks on a gravel base. The roadway was sub-

graded in part by the Street Department and in part by H. Gore & Co. Granite block paving was laid, edgestones reset, brick sidewalks and flagging crosswalks relaid by H. Gore & Co. Former surface was macadam with cobble-stone gutters.

Eustis street, from Hampden street to Magazine street, was resurfaced with macadam by the Street Department. Cobble-stone gutters were relaid, edgestones reset, and brick sidewalks relaid (including excavation) by C. E. Barnes.

Massachusetts avenue, from Albany street to Swett street, was paved with large granite blocks on a gravel base. The roadway was subgraded by the Street Department. Granite block paving was laid, edgestones set and flagging crosswalks laid by Doherty & Connors. Five new catch-basins were built. Former surface was macadam.

Tremont street, from Columbus avenue to Prentiss street (on northerly side), was repaved with large granite blocks on a gravel base. The old pavement was removed and roadway subgraded by the Street Department. Granite block paving, brick sidewalks and flagging crosswalks were relaid, and edgestones reset by Jones & Meehan. Former pavement was old granite blocks on gravel base.

MISCELLANEOUS WORK.

Chestnut Hill Reservoir Archway. Specifications were prepared, and a contract made with W. L. Miller for taking down this archway. All stones were lettered and numbered, and a plan showing such numbering is on file in the office of the City Engineer. Cost of work was \$874.

Commonwealth-avenue Speedway. A plan and details for swing-gates for either end of the speedway was made.

Commonwealth-avenue ledge. Plans of cross sections of ledge, for measurement of stone removed. This stone was used in the construction of Brighton avenue, Bay State road, Granby, Boylston and other streets: also plan of ledge showing outlines Oct. 1, 1895, and Dec. 5, 1896, and positions of camera when photographs of the face of the ledge were taken Dec. 10 and 11, 1896.

Boylston street, from Exeter street to Hereford street. Plan and estimate for fence.

Hawthorn gravel bank (Brookline), plan and cross sections of bank for gravel used in filling Columbus-avenue extension and Huntington-avenue widening,

Livermore gravel bank (Roxbury), plan and cross sections of bank for gravel used in filling Columbus-avenue extension.

Ruggies street, under bridge of Providence Division, New York, New Haven & Hartford R.R. Plans, elevations, sections and details of elevated sidewalk.

Surveys, plans and estimates for improving and paving the following streets have been made:—

Alford street (Charlestown), from Malden bridge to the Everett line.

Essex street, from South street to Federal street.

Milk street, from Pearl street to Kilby street.

Washington street, from Marvin street to Warren street.

Essex-street bridge. A contract was made Oct. 14, 1896, with William S. Rendle for rebuilding the upper part of this bridge and doing other work in connection therewith. The total cost of the work was \$7,038.95.

Meridian-street bridge. Specifications were made for rebuilding the trusses of the draw, and a contract for doing the work was made April 11 with W. H. Ellis & Co.; the timber used in the trusses was furnished by the city. The cost of the contract work was \$2,025.96.

Winthrop bridge. The sidewalk and sidewalk bulkhead were rebuilt for about three-quarters of their length, and repairs were made to ten bents of piles; the work was done by J. N. Hayes & Co., and was completed March 10, 1896, at a cost for contract work of \$1,519.92.

Huntington-avenue bridge. (Over Boston & Albany R.R.) During the past year the flooring of the bridge has been entirely rebuilt and made to conform to the new grade; parapets were raised and new asphalt sidewalks built. The old girder on the centre line of the westerly sidewalk was moved to the easterly sidewalk and two new plate girders put in under the westerly sidewalk. This change was made necessary because of the new 42-inch water-pipe which was carried across the bridge on the westerly side. The girders were built by the Boston Bridge Works under a contract dated Nov. 9, 1895, and the work of moving the old girder was done by the same company; the total cost being \$2,646.99. The contract for the woodwork and for the changes in stonework was made with W. L. Miller, dated April 11, 1896, and amounted to \$3,097.28. The sidewalks were built by the Boston Asphalt Company, at a cost of \$635.25. The cleaning and painting of the girders was done by the Bridge Division of the Street Department.

Cottage-Farm bridge. During the early part of the year the northerly roadway was completed; the 20-inch steel beams being placed in position by A. C. Richmond; the bricks, the skewbacks and concrete being furnished by the city, and put in place by the Metropolitan Construction Co. A Sicilian rock asphalt wearing surface was put on the roadway by the Boston Asphalt Co.

On the completion of the northerly roadway travel was turned on that side of the bridge July 9, and the old wooden bridge and the two iron girders supporting the water and gas pipes were removed.

New parapets and bearing blocks were furnished by the Cape Ann Granite Co., and set in position on the old bridge seats on the southerly section of the bridge.

Slight extensions were made to the easterly end of the north

abutment and middle pier, the work being done by A. C. Richmond.

The 20-inch steel beams were furnished by Page, Newell & Co., and placed in position by A. C. Richmond. The lead coverings for the steel beams were furnished by E. B. Badger & Sons. The bricks, skewbacks and concrete arches between the beams were set by the Metropolitan Construction Co., the materials being furnished by the city. The asphalt surface was put on by the Boston Asphalt Co.

The two iron girders on the easterly side of the bridge, and the sidewalk floor beams connected to them were furnished in place by the Boston Bridge Works.

Granolithic sidewalks were laid on this section of the bridge by Simpson Brothers, of Boston.

A central way between the car tracks, $13\frac{1}{2}$ feet wide and 5 inches above the roadway was built, upon which are placed two gaspipes and one waterpipe.

Travel was turned over this part of the bridge late in the fall and the bridge is practically completed with the exception of the sidewalk on the northerly section, and the placing of fence rails on the main girders.

EAST BOSTON FERRIES.

A report was made Aug. 5, 1896, on the condition of the slips, drops and tanks of the East Boston Ferries.

South Ferry, Boston side. Plans and specifications were made for repairing the outer end of the middle pier, and the work was done by W. H. Ellis & Co., under contract dated Oct. 8, 1896, at a cost of \$1,802.15.

New drops. A contract was made Sept. 16, 1896, with William McKie, to build three new drops to replace three old ones; the old drops to be the property of the contractor, the tanks and machinery to remain the property of the city. The contract price was \$14,718; they were placed at the northerly landing of the North Ferry, East Boston side; at the northerly landing of the South Ferry, Boston side, and at the southerly landing of the North Ferry, Boston side. These drops were respectively put in use at the following dates: November 23, Dec. 7, 1896, and Jan. 26, 1897.

New tanks. Two new tanks were built by J. M. Brooks, and were used under the new drops at the East Boston landing of the North ferry, and at the Boston landing of the South ferry. The contract price was \$3,500.

Awning at the North Ferry, East Boston. Plans and specifications were made for an awning over the sidewalk in front of the head-house at the North Ferry, East Boston; the work was done by W. H. Ellis & Co., at a cost for contract work of \$698.64.

Yours respectfully,

WILLIAM JACKSON,
City Engineer.

APPENDIX I.

REPORT OF THE CHIEF SMOKE INSPECTOR.

28 COURT SQUARE, BOSTON, Feb. 1, 1897.

BENJ. W. WELLS, ESQ., *Superintendent of Streets* :

SIR: I herewith submit a report for the year ending Jan. 31, 1897, of the work done under chapter 389, Acts of 1895, entitled, "An Act to Abate the Smoke Nuisance in the city of Boston."

This law has been in operation since July, 1895, and those who have not followed the matter closely are not aware of the progress which has been made by its enforcement. Reforms have been accomplished, particularly in the business section, not alone by the adoption of smoke devices, but by a more careful method of stoking, and in some cases a change of fuel.

If smoke could be abated only by entailing an added expense, it would no doubt be found difficult to enforce the law; but a device used for the suppression of smoke, not only abates the smoke nuisance, but invariably shows an absolute economy of fuel, as it promotes combustion, and prevents before they can be utilized the escape of valuable gases for heating purposes to produce steam.

Following the passage of this law in 1895, a large number of owners or representatives of boiler plants who were likely to become amenable to the law, were waited upon and informed that this department intended to strictly enforce the regulations authorized by its provisions. The enactment clause of the law relating to the emission of smoke for more than five minutes being particularly called to their attention.

The observers, of which there are two, were instructed to keep a close watch, particularly in the business section, and to take short observations of 1, 2 and 3 firings. The necessity for a constant watch in the business section may be accounted for by the fact, that even the emission of a small quantity of smoke, due to various causes, destroys, for the time-being, valuable property.

When a chimney was found emitting an unwarranted amount of smoke the owner's attention was at once called to it, and immediate action suggested.

Some of these required time and patience, particularly where devices were attached, owing to the delays occasioned in the

selection of a proper smoke preventer. Generally we have found a disposition to abate the existing evil.

These short observations have been taken by the observers as they go over the several districts from day to day, and serve to keep the office informed of the condition of the various plants throughout the city.

Other observations have been made at the request of boiler-plant owners, who, having equipped their plant with a smoke consuming device, desired the city to inform them if the same was acceptable and complying with the law. These latter observations, lasting from eight to nine hours, with reports, are on file.

When a request for inspection is received from a boiler-plant owner, arrangements are made to take two observations, averaging from eight to nine hours, so as to cover the actual working time of the boilers.

The first observation is taken without the knowledge of any one connected with the plant, to show the results when the plant is being run under every day conditions. Another observation is later taken, the owners being previously notified; this affords them an opportunity to be exceedingly careful in their stoking and manipulation of the device.

It would seem that with a knowledge of the fact that the chimney is being watched, and with the stoker using his best efforts to show the best possible results, that this would obtain in this latter set of observations; but it is frequently the case, that the observation, taken without their knowledge, shows the better results.

These observations show the interval in minutes and seconds of the various grades of smoke; also the interval of clear stack. This is followed by a summary, showing the total time of the observation, total time of the various grades of smoke and also the percentage. A report accompanies these observations showing the number of boilers connected with the plant, the amount and nature of the work exacted from the same, the coal consumption, etc., to complete which takes from five to seven days.

A better idea may be obtained from the table herewith given. This shows an observation taken without the knowledge of any one connected with the plant, the boilers being equipped with a smoke preventer. A summary is also given of the observation taken with their knowledge on the same plant.

TIME OF FIRING.	SMOKE.						Clear Stack.	Interval.
	Dark or Thick Gray.	Interval.	Light.	Interval.	Very Light.	Interval.		
8.05.00.....			8.05.30	.30	8.05.50	.20	8.05.50	.30
8.06.20.....	8.06.25	.05	8.07.00	.35	8.07.40	.40		
8.07.40.....	8.08.00	.20	8.08.20	.20	8.08.50	.30	8.08.50	4.40
8.13.30.....	8.13.40	.10	8.13.55	.15	8.14.40	.45	8.14.40	22.00
8.36.40.....			8.37.30	.50				
8.37.30.....	8.37.40	.10	8.38.10	.30	8.39.00	.50	8.39.00	9.00
8.48.00.....					8.48.30	.30	8.48.30	6.40
8.55.10.....			8.55.50	.40	8.56.00	.10	8.56.00	4.30
9.00.30.....			9.01.10	.40	9.01.30	.20	9.01.30	3.00
9.04.30.....	9.04.50	.20	9.05.20	.30	9.05.40	.20	9.05.40	17.20
9.23.00.....					9.23.40	.40	9.23.40	19.20
9.43.00.....			9.43.30	.30	9.43.40	.10	9.43.40	.20
9.44.00.....					9.44.20	.20	9.44.20	.20
9.44.40.....			9.45.10	.30	9.45.30	.20	9.45.30	.30
9.46.00.....			9.46.10	.10	9.46.20	.10	9.46.20	4.10
9.50.30.....					9.51.10	.40	9.51.10	1.50
9.53.00.....			9.53.20	.20	9.53.30	.10	9.53.30	5.10
9.58.40.....	9.58.50	.10	9.59.20	.30	9.59.30	.10	9.59.30	6.40
10.06.10.....	10.06.20	.10	10.07.10	.50	10.07.30	.20	10.07.30	18.30
10.26.00.....			10.27.00	1.00	10.27.30	.30	10.27.30	1.30
10.29.00.....					10.29.10	.10	10.29.10	2.30
10.31.40.....			10.32.00	.20	10.38.20	.20	10.38.20	5.00
10.37.20.....	10.37.30	.10	10.38.00	.30	10.38.20	.20	10.38.20	1.20
10.39.40.....			10.40.00	.20	10.40.30	.30	10.40.30	3.50
10.44.20.....			10.44.40	.20	10.44.50	.10	10.44.50	3.40
10.48.30.....			10.49.00	.30	10.49.10	.10	10.49.10	3.50
10.53.00.....			10.53.30	.30	10.53.50	.20	10.53.50	1.20
10.55.10.....	10.55.20	.10	10.55.40	.20	10.56.00	.20	10.56.00	16.20
11.12.30.....			11.12.40	.20	11.12.50	.10	11.12.50	5.40
11.18.30.....					11.18.50	.20	11.18.50	1.40
11.20.30.....			11.20.50	.20	11.21.10	.20	11.21.10	8.20
11.29.30.....	11.29.50	.20	11.30.10	.20	11.30.20	.10	11.30.20	1.50
11.32.10.....	11.32.20	.10	11.32.30	.10	11.32.50	.20	11.32.50	15.10
11.48.00.....	11.48.20	.20	11.48.40	.20	11.49.30	.50	11.49.30	4.30
11.54.00.....			11.54.20	.20				
11.54.20.....	11.54.30	.10			11.54.50	.20	11.54.50	.30
11.55.20.....	11.55.40	.20			11.56.00	.20	11.56.00	4.20
12.00.20.....	12.00.30	.10	12.00.50	.20	12.01.00	.10	12.01.00	17.30
12.18.30.....			12.18.50	.20	12.19.20	.30	12.19.20	.40
12.20.00.....	12.20.10	.10	12.20.30	.20	12.21.00	.30	12.21.00	3.50
12.24.50.....	12.25.10	.20	12.25.30	.20	12.26.00	.30	12.26.00	5.30
12.31.30.....			12.32.10	.40	12.32.45	.35	12.32.45	.30
12.33.15.....			12.34.00	.45	12.34.20	.20		
12.34.20.....			12.34.30	.10	12.35.00	.30	12.35.00	.10
12.35.10.....	12.35.20	.10	12.35.40	.20	12.36.00	.20	12.36.00	.55
12.36.55.....	12.37.05	.10	12.37.15	.10	12.37.20	.05	12.37.20	2.20
12.39.40.....	12.40.00	.20	12.40.20	.20	12.40.30	.10	12.40.30	2.00
12.42.30.....	12.43.00	.30	12.44.00	1.00	12.44.10	.10	12.44.10	.55
12.45.05.....	12.45.15	.10	12.45.20	.05	12.45.35	.15	12.45.35	2.55
12.48.30.....			12.49.00	.30	12.49.15	.15	12.49.15	1.15
12.50.30.....	12.50.45	.15	12.51.00	.15	12.51.10	.10	12.51.10	.85
12.51.45.....	12.52.20	.35	12.52.30	.10	12.52.40	.10	12.52.40	1.05
12.53.45.....	12.54.10	.25	12.54.20	.10	12.54.25	.05	12.54.25	15.35
1.10.00.....	1.10.20	.20	1.10.30	.10	1.10.40	.10	1.10.40	1.50
1.12.30.....	1.12.45	.15	1.13.10	.25	1.13.20	.10	1.13.20	.40
1.14.00.....	1.14.20	.20	1.15.00	.40	1.15.15	.15	1.15.15	6.05
1.21.20.....			1.21.30	.10	1.22.00	.30	1.22.00	8.05
1.30.05.....	1.30.55	.50	1.32.00	1.05	1.32.30	.30	1.32.30	.15
1.32.45.....			1.33.30	.45	1.33.45	.15	1.33.45	7.40
1.41.25.....			1.41.50	.25	1.42.30	.40	1.42.30	2.30
1.45.00.....			1.45.30	.30	1.46.00	.30	1.46.00	2.30
1.48.30.....			1.49.10	.40	1.49.30	.20	1.49.30	1.00
1.50.30.....	1.51.20	.50	1.52.20	1.00	1.53.00	.40	1.53.00	1.30
1.54.30.....			1.55.00	.30	1.55.15	.15		
1.55.15.....	1.55.50	.35	1.56.45	.55	1.57.00	.15	1.57.00	4.55
2.01.55.....	2.02.10	.15	2.02.40	.30	2.03.00	.20	2.03.00	5.15
2.08.15.....			2.08.45	.30	2.09.00	.15	2.09.00	1.10
2.10.10.....	2.10.55	.45	2.11.20	.25	2.11.45	.25	2.11.45	9.35
2.21.20.....			2.21.35	.15	2.22.00	.25	2.22.00	1.45

TIME OF FIRING.	SMOKE.						Clear Stack.	Interval.
	Dark or Thick Gray.	Interval.	Light.	Interval.	Very Light.	Interval.		
2.23.45.....			2.24.10	.25	2.24.20	.10	2.24.20	3.10
2.27.30.....			2.28.20	.50	2.28.30	.10	2.28.30	2.35
2.31.05.....	2.31.10	.05	2.31.20	.10	2.32.00	.40	2.32.00	13.20
2.45.20.....					2.46.10	.50	2.46.10	.10
2.46.20.....	2.46.25	.05	2.46.40	.15	2.46.45	.05	2.46.45	9.25
2.56.10.....	2.46.50	.40	2.57.10	.20	2.57.20	.10	2.57.20	.50
2.58.10.....			2.58.40	.30	2.59.10	.30		
2.59.10.....	2.59.25	.15	2.59.35	.10	2.59.45	.10	2.59.45	1.45
3.01.30.....			3.01.40	.10	3.02.00	.20	3.02.00	2.50
3.04.50.....	3.04.55	.05	3.05.20	.25	3.05.30	.10	3.05.30	8.30
3.14.00.....			3.14.30	.30				
3.14.30.....	3.14.45	.15	3.14.50	.05	3.15.00	.10	3.15.00	1.05
3.16.05.....			3.16.30	.25	3.16.40	.10	3.16.40	5.50
3.22.30.....			3.22.50	.20	3.23.10	.20	3.23.10	.30
3.23.40.....	3.23.50	.10	3.24.00	.10	3.24.10	.10	3.24.10	.20
3.24.30.....	3.25.00	.30	3.25.10	.10				
3.25.10.....	3.26.15	1.05	3.26.30	.15	3.26.45	.15	3.26.45	2.40
3.29.25.....	3.29.40	.15	3.29.55	.15	3.30.10	.15	3.30.10	2.40
3.32.50.....	3.33.00	.10	3.33.10	.10	3.33.30	.20	3.33.30	2.40
3.36.10.....			3.36.40	.30	3.36.50	.10	3.36.50	3.10
3.40.00.....	3.40.10	.10	3.40.30	.20	3.40.45	.15	3.40.45	2.15
3.43.00.....	3.43.10	.10	3.43.20	.10	3.43.30	.10	3.43.30	10.50
3.54.20.....			3.55.00	.40	3.55.15	.15	3.55.15	8.15
4.03.30.....	4.03.40	.10	4.03.45	.05	4.03.50	.05	4.03.50	14.20
4.18.10.....			4.18.55	.45	4.19.10	.15	4.19.10	5.20
4.24.30.....			4.25.10	.40	4.25.50	.40	4.25.50	3.30
4.29.20.....	4.29.25	.05	4.29.40	.15	4.29.50	.10	4.29.50	4.15
4.34.05.....			4.34.20	.15				
4.34.20.....	4.34.35	.15	4.34.45	.10	4.35.10	.25	4.35.10	1.45
4.36.55.....	4.37.20	.25	4.37.45	.25	4.38.10	.25	4.38.10	.20
4.38.30.....	4.39.05	.35	4.39.30	.25	4.39.45	.15	4.39.45	2.35
4.42.20.....			4.42.45	.25	4.43.10	.25	4.43.10	
	15.55		38.50		32.10			7.11.15

Summary.

	Dark or Thick Gray.	Light.	Very Light.	Clear.
	m. s.	m. s.	m. s.	h. m. s.
Time	15 55	38 50	32 10	7 11 15
Per cent.....	3.1	7.5	6.2	83.2

	H.	M.	S.
Total time of observation	8	38	10
“ time of smoke	1	26	55
“ smoke		16.8	per cent
Dark or thick gray smoke	3.1	“	
Total number of firings, etc.	101		
Average time between each firing		5	minutes.

Summary of Observation taken with their Knowledge.

	Dark or Thick Gray.	Light.	Very Light.	Clear.
	m. s.	m. s.	m. s.	h. m. s.
Time	20 55	47 15	38 50	6 51 50
Per cent.....	4.0	9.1	7.5	79.4

	H.	M.	S.
Total time of observation	8	38	50
“ time of smoke	1	47	0
“ smoke	20.6 per cent.		
Dark or thick gray smoke	4.	“	
Total number of firings, etc.	135		
Average time between each firing	4 minutes.		

I had, during the past two years, occasion to call and see the owners or managers of a large number of boiler plants throughout the city, and while it may seem strange, yet it is a fact, that quite a large number know little or nothing concerning their boiler plant, depending almost entirely on their engineer; and the engineer seeing the necessity for a change which would be beneficial, makes recommendations which are immediately set aside, if involving any expense.

When owners of steam plants fully realize that the maintaining of a smoke nuisance entails an actual money loss, then, and only then, will suggestions from those in charge be considered.

There are a number of boiler plants in this city where the boilers at times are being worked far beyond their rated capacity, and emitting smoke to the detriment of their neighbors. These parties do little, if any, damage to their own property, but the smoke and soot are entering the doors and windows of neighbors, destroying goods, the value of which would aggregate many thousands of dollars.

While these plants are not flagrantly violating the law, and the department has frequently called their attention to the necessity of a change, and as their neighbors refuse to complain, the owner as a rule is unwilling to go to any expense, especially if he sees a chimney near by, that in his judgment smokes worse.

The engineer is well aware of these conditions, but finds himself handicapped, on account of refusal of owner to properly equip the plant.

When a recommendation is received from an engineer to equip a plant with a device such as will increase the boiler capacity, the first cost is in most cases considered excessive; but if owners would only estimate the financial returns, aside from the knowledge, that as public-spirited citizens each had done his

share, not alone towards complying with the law, but also towards reducing his smoke emission to a minimum, better general results would follow in the ready adoption of it.

Cases have been found where the smoke nuisance is due to bad or careless stoking; it is essential therefore, that the best class of stokers be employed, as a poor fireman will be found not only dangerous, but also very expensive.

Up to the present time it has been the established policy of this office not to recommend devices. At the same time, the owners of plants are entitled to our advice and experience to protect themselves against the adoption of worthless devices. For this reason the endeavor is made to keep informed in regard to all devices, not alone as to temporary results so far as smoke is concerned, but also as to the permanency of the same.

In the selection of a smoke preventer, the conditions of the plant to be equipped and the type of boiler to be used, must be carefully considered, and any capable engineer can solve the problem after an examination of the various types, a list of which is readily furnished on application, and the advice given to examine those in operation first of all. In general, each one must decide what his peculiar local conditions call for.

Among those who have equipped their plant with smoke preventers during the past year may be mentioned the following:—

Boston "Herald," Washington street.
Jordan, Marsh & Co., Washington street.
Shepard, Norwell & Co., Winter street.
Hathaway Building, Atlantic avenue.
Carter Building, Water street.
New England Building, Summer street.
Church Green Electric Lighting Co., Sullivan place.
C. A. Millen Co., Charlestown street.

The New York, New Haven & Hartford railroad have adopted the use of smokeless coal at the repair shops at the foot of Sarsfield street, and also at their steam-heating plants on Rogers avenue. Several smaller plants have adopted the use of hard coal, while many others are using a mixture of screenings with soft coal, all with good results.

COAL IMPORTATIONS.

Some attention has been given to the grades of coal commonly in use, and, as it seemed to be doubtful if sulphurous mines could be safely utilized in the city limits, some inquiry was made as to how far Dominion coal was being adopted.

The following table shows the number of tons and value of importations of Nova Scotia coal recorded at the port of Boston for the year ending Jan. 31, 1897, the main portion of which is used outside the city limits:—

MONTH.	Tons.	Value.
February..	1,670	\$3,006
March.....	—	—
April.....	2,126	3,827
May.....	2,800	5,040
June.....	4,333	7,779
July.....	1,188	2,138
August.....	7,877	14,181
September.....	10,841	19,514
October.....	8,066	13,105
November.....	10,793	17,090
December.....	2,064	3,092
January, 1897.....	4,890	8,519
Total.....	56,648	\$97,311

BOILER APPLICATIONS.

With a view of providing against future smoke nuisances the department found it necessary to insist that all new boilers erected in the city be properly equipped, if soft coal was to be used. This was done with the co-operation of the building department, and during the past year 331 applications have been received and disposed of as follows:—

Hot-water heaters, furnaces, etc.	245
Signed to use hard coal.	35
Adopted smoke devices	31
Screenings and soft coal mixed	9
Applications withdrawn	3
Oil engines	2
Gas engine	1
Engine	1
Board of Appeal	1
Duplicate	1
Unsigned	2
Total	331

In order that parties signing to use hard coal may be made to live up to their agreement, frequent visits to the plants are made, as a few cases have been found violating the same.

Plants equipped with devices are also visited with a view of seeing that the same are properly manipulated and not shut off, as all devices are more or less at the mercy of the stoker.

SPECIAL REPORTS.

The following special reports have been made from time to time :—

February 6. Report with observations on plant of the F. L. Ames estate, corner Lincoln and Tufts streets.

February 21. Report on complaint against the Bogart Steam Laundry, 205 Florence street, Roslindale.

March 27. Report with observations on plant of Jordan, Marsh & Co., Avon street.

April 14. Report on complaint against Houghton & Dutton, Tremont street.

April 21. Report with observations on plant of Mr. G. D. Hill, 13 Randolph street.

May 4. Report with observations on plant of Shepard, Norwell & Co., Winter street.

May 4. Report of complaint against house chimney attached to L of estate, 22 Kingston street, Charlestown.

June 19. Report with observations on plant of the Boston "Herald," Williams court.

June 22. Report on complaint against Messrs. Krey & Co., 11 Province court.

July 3. Report on complaint against Minot estate, 113 Devonshire street.

August 3. Report on complaint against Merello's bakery, 1260 Washington street.

August 6. Report on complaint against Monks' estate, 35 Congress street.

August 12. Report on complaint against Fox's bakery, corner Edgeworth and Ferrin streets, Charlestown.

September 4. Report on complaint against Alfred Mudge & Son, 24 Franklin street.

September 22. Report on complaint against Roessle and Pfaff's breweries, Pynchon street.

October 1. Report with observations on plant of the Charles A. Millen Company, 28 Beverly street.

October 6. Report with observations on plant of the Hathaway building, 620 Atlantic avenue.

October 8. Report on complaint against the Church Green Electric Lighting Company, Sullivan place.

October 22. Report with observations on the New England building, 180 Summer street.

November 5. Report on complaint against the Homœopathic Hospital, Albany street.

November 10. Report on complaint against the repair shop of the N. Y., N. H. & H. R.R., foot of Sarsfield street.

November 18. Report with observations on plant of Swain, Earle & Co., 67 Commercial street.

November 23. Report on complaint against the Minot estate, J. S. Pushee & Sons, lessees, 9-13 Randolph street.

November 24. Report with observations on plant of the Church Green Electric Lighting Company, Sullivan place.

December 7. Report with observations on plant of the Star brewery, Shirley street.

December 17. Report on complaint against Osgood & Hart, Sherman square, Charlestown.

SUMMARY.

The following is a brief summary of the work for the year ending Jan. 31, 1897 : —

Number of boiler permits acted upon	331
Number agreeing to burn hard coal	280
Number adopting smoke devices	31
Number of short observations taken	285
Number of observations lasting from 5 to 9 hours	44
Number of special reports made	26

GENERAL SUMMARY.

It would be somewhat difficult to indicate by statistics, however carefully gathered, the extent of the work done by this office since its organization in August, 1893, but the following figures are given as possessing public interest : — *

Number of boiler plants inspected	325
Number found equipped with smoke devices	16
Number since equipped	59
Number of short observations taken	601
Number of observations lasting from 5 to 9 hours	108
Number of new boiler permits acted upon	549
Number agreeing to burn hard coal	449
Number of new boilers equipped with smoke devices	62

In addition to the above, a large number of plants are burning hard coal screenings mixed with soft coal, and some to avoid any further trouble preferred to burn hard coal entirely.

Respectfully submitted,

THOMAS F. KELLEY,

Chief Inspector.

APPENDIX J.

FORMER SUPERINTENDENTS AND DOCUMENT
NUMBERS OF ANNUAL REPORTS.

Bridge Department before 1891.

Previous to 1886, under charge of City Engineer.

NAME.	Year.
Bartholomew M. Young	1886 to 1889
James H. Nugent	1889 to 1891

Bridge Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report	1886	1887	29
" "	1887	1888	26
" "	1888	1889	29
" "	1889	1890	22
" "	1890	1891	*

* Published in Annual Report, Executive Department, Part I., City Document No. 1, 1891.

Paving Department before 1891.

NAME.	Year.
Enoch Patterson, Supt. Streets and Drains	1827 to 1831
Zephaniah Sampson, " " " "	1831 to 1846
Thomas Hunting, Superintendent	1846 to 1853
Alfred T. Turner, "	1853 to 1864
Charles Harris, "	1864 to 1883
Nehemiah T. Merritt, "	1883
James J. Flynn, "	1883
Charles Harris, "	1884
Michael Meehan, "	1884 to 1886
John W. McDonald, "	1886 to 1889
J. Edwin Jones, "	1889 to 1891

Paying Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Quarterly Report		1851	6
“ “		1851	29
Annual Report	1851	1852	2
“ “	1852	1853	6
“ “	1853	1854	6
“ “	1854	1855	5
“ “	1855	1856	3
“ “	1856	1857	3
“ “	1857	1858	3
“ “	1858	1859	5
“ “	1859	1860	6
“ “	1860	1861	5
“ “	1861	1862	4
“ “	1862	1863	3
“ “	1863	1864	3
“ “	1864	1865	7
“ “	1865	1866	3
“ “	1866	1867	6
“ “	1867	1868	9
“ “	1868	1869	14
“ “	1869	1870	13
“ “	1870	1871	12
“ “	1871	1872	16
“ “	1872	1873	21
“ “	1873	1874	25
“ “	1874	1875	27
“ “	1875	1876	30
“ “	1876	1877	38
“ “	1877	1878	29
“ “	1878	1879	24
“ “	1879	1880	24
“ “	1880	1881	48
“ “	1881	1882	51
“ “	1882	1883	47
“ “	1883	1884	46
“ “	1884	1885	97
“ “	1885	1886	30
“ “	1886	1887	16
“ “	1887	1888	23
“ “	1888	1889	30
“ “	1889	1890	19
“ “	1890	1891	*

* Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

Sewer Department before 1891.

NAME.	Year.
Enoch Patterson, Superintendent	1827 to 1831
Zephaniah Sampson	1831 to 1837
Charles B. Wells	1837 to 1856
Simeon B. Smith	1856 to 1863
William H. Bradley	1863 to 1883
Horace A. Moses	1883 to 1885
Thomas J. Young	1885 to 1887
Seth Perkins	1887 to 1889
Charles Morton	1889 to 1891

Sewer Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. Doc.
Annual Report	1859	1861	11
" "	1860	1861	12
" "	1861	1862	12
" "	1862	1863	13
" "	1863	1864	11
" "	1864	1865	5
" "	1865	1866	6
" "	1866	1867	8
" "	1867	1868	13
" "	1868	1869	11
" "	1869	1870	3
" "	1870	1871	11
" "	1871	1872	10
" "	1872	1873	13
" "	1873	1874	12
" "	1874	1875	17
" "	1875	1876	11
" "	1876	1877	13
" "	1877	1878	15
" "	1878	1879	11
" "	1879	1880	16
" "	1880	1881	19
" "	1881	1882	18
" "	1882	1883	16
" "	1883	1884	43
" "	1884	1885	
" "	1885	1886	58
" "	1886	1887	69
" "	1887	1888	81
" "	1888	1889	129
" "	1889	1890	14
" "	1890	1891	*

* Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

Health Department before 1891.

Sanitary.

NAME.	Year.
Ezra Forristall, Superintendent	1853 to 1854
Joseph W. Coburn, "	1854 to 1855
Ezra Forristall, "	1855 to 1869
George W. Forristall, "	1869 to 1890

Health Department before 1891.

Sanitary.

NAME OF DOCUMENT.	Year.	Pub. Year.	No. of Doc.
Annual Report	1853	1854	7
" "	1854	1855	6
" "	1855	1856	4
" "	1856	1857	4
" "	1857	1858	4
" "	1858	1859	4
" "	1859	1860	5
" "	1860	1861	6
" "	1861	1862	5
" "	1862	1863	5
" "	1863	1864	4
" "	1864	1865	4
" "	1865	1866	8
" "	1866	1867	7
" "	1867	1868	8
" "	1868	1869	12
" "	1869	1870	4
" "	1870	1871	10
" "	1871	1872	17
" "	1872	1873	40
Annual Report from 1873 to 1884, inclusive; the Superintendent's report was embodied in the Report of the Board of Health	1885	1886	45
Annual Report	1886	1887	22
" "	1887	1888	16
" "	1888	1889	23
" "	1889	1890	21
" "	1890	1891	*

* Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

Commissioners of Cambridge Bridges before 1891.

(West Boston, Canal, and Prison Point.)

NAME.	YEAR.
Frederick W. Lincoln, Commissioner for Boston . . .	{ May 22, 1871, to March, 1891.
Ezra Parmenter, Commissioner for Cambridge . . .	{ June 14, 1871, to Jan. 31, 1883.
William J. Marvin, Commissioner for Cambridge . . .	{ March 28, 1883, to present time.

NOTE.—Harvard Bridge added in 1892.

Commissioners of Cambridge Bridges before 1891.

(West Boston, Canal, and Prison Point.)

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report	1871	1872	19
" "	1872	1873	12
" "	1873	1874	16
" "	1874	1875	23
" "	1875	1876	20
" "	1876	1877	12
" "	1877	1878	10
" "	1878	1879	8
" "	1879	1880	12
" "	1880	1881	8
" "	1881	1882	15
" "	1882	1883	15
" "	1883	1884	19
" "	1884	1885	8
" "	1885	1886	12
" "	1886	1887	19
" "	1887	1888	25
" "	1888	1889	22
" "	1889	1890	20
" "	1890	1891	*

* Published in Annual Report, Executive Department, Part I., City Document No. 1, 1891.

Ferry Department before 1895.

NAME.	YEAR.
Board of Ferry Directors	1870 1891
William J. Burke, Superintendent	1891 May 1, 1895.
Thomas Kellough "	May 1, 1895. July 1, 1895.

Ferry Department before 1895.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report	1870	1871	41
" "	1871	1872	55
" "	1872	1873	81
" "	1873	1874	42
" "	1874	1875	65
" "	1875	1876	51
" "	1876	1877	53
" "	1877	1878	49
" "	1878	1879	60
" "	1879	1880	74
" "	1880	1881	77
" "	1881	1882	72
" "	1882	1883	93
" "	1883	1884	76
" "	1884	1885	72
" "	1885	1886	28
" "	1886	1887	12
" "	1887	1888	10
" "	1888	1889	3
" "	1889	1890	4
" "	1890	1891	*
" "	1891	1892	12
" "	1892	1893	11
" "	1893	1894	11
" "	1894	1895	11

* Published in Annual Report, Executive Department, Part I., City Document No. 1, 1891.

Street Department since 1891.*Superintendent.*

Henry H. Carter, Member of American Society Civil Engineers.
Resigned Dec. 8, 1894.

Charles R. Cutter, *Acting Superintendent from Dec. 8, 1894, to Jan. 14, 1895.*
Member of the Boston Society Civil Engineers.

Bertrand T. Wheeler, *Superintendent from Jan. 14, 1895, to Feb. 4, 1896.*
Member of the Boston Society Civil Engineers.

Benjamin W. Wells, *Superintendent from Feb. 4, 1896, to the present time.*

Executive Engineer.

Henry B. Wood, Member American Society Civil Engineers.

Engineer of Construction.

Nathan S. Brock, *from March 1 to June 1, 1896.*
Member of the Boston Society Civil Engineers.

- BRIDGE DIVISION.—John A. McLaughlin, *Deputy Superintendent until June 1, 1895.*
- BRIDGE DIVISION.—John P. Wise, *Deputy Superintendent from June 1, 1895, to Feb. 14, 1896.*
- BRIDGE DIVISION.—William H. Carberry, *Deputy Superintendent from Feb. 14, 1896, to the present time.*
- FERRY DIVISION.—Thomas Kellough, *Deputy Superintendent from July 1, 1895, to Feb. 14, 1896.*
- FERRY DIVISION.—William F. McLellan, *Deputy Superintendent from Feb. 14, 1896, to the present time.*
- PAVING DIVISION.—Charles R. Cutter, *Deputy Superintendent until Jan. 24, 1895.*
- PAVING DIVISION.—Darius N. Payson, *Deputy Superintendent from Jan. 24, 1895, to March 1, 1896.*
- PAVING DIVISION.—John L. Kelley, *Deputy Superintendent from March 1, 1896, to the present time.*
- SANITARY DIVISION.—George W. Forristall,¹ *Deputy Superintendent.*
- SANITARY DIVISION.—Philip A. Jackson, *Acting Deputy Superintendent from Jan. 16, 1894, to Feb. 1, 1895.*
- SANITARY DIVISION.—Charles A. Young, *Deputy Superintendent from Feb. 1, 1895, to March 1, 1896.*
- SANITARY DIVISION.—Patrick O'Shea, *Deputy Superintendent from March 1, 1896, to the present time.*
- SEWER DIVISION.—Henry W. Sanborn, *Deputy Superintendent until July 10, 1896.*
Member Philadelphia Society Civil Engineers.
- SEWER DIVISION.—Charles R. Cutter, *Deputy Superintendent from July 10, 1896, to the present time.*
Member of the Boston Society of Civil Engineers.
- STREET CLEANING DIVISION.—Philip A. Jackson, *Deputy Superintendent until March 22, 1895.*
- STREET CLEANING DIVISION.—Benjamin M. Cram, *Deputy Superintendent from March 22, 1895, to March 1, 1896.*
- STREET CLEANING DIVISION.—Joshua Atwood, 3d, *Deputy Superintendent from March 1, 1896, to the present time.*
Member of the Boston Society of Civil Engineers.
- STREET WATERING DIVISION.—M. Edwin Libby, *Deputy Superintendent from March 6, 1895, to March 1, 1896.*
- STREET WATERING DIVISION.—Thomas J. Finneran, *Deputy Superintendent from March 1, 1896, to the present time.*
- BOSTON AND CAMBRIDGE BRIDGES.—Henry H. Carter, *ex officio, Commissioner for Boston, until Dec. 8, 1894.*
Charles R. Cutter, *Acting, from Dec. 8, 1894, to Jan. 14, 1895.*
Bertrand T. Wheeler, *from Jan. 14, 1895, to Feb. 4, 1896.*
Benjamin W. Wells, *from Feb. 14, 1896, to the present time.*
William J. Marvin, *Commissioner for Cambridge.*

¹ Died Jan. 12, 1894.

Street Department.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report, Executive Dept. Part II....	1891	1892	36
“ “ “ “ “ “	1892	1893	34
“ “ “ “ “ “	1893	1894	34
“ “ “ “ “ “	1894	1895	34
“ “ “ “ “ “	1895	1896	29
“ “ “ “ “ “	1896	1897	29



ANNUAL REPORT
OF THE
STREET LAYING-OUT DEPARTMENT
FOR THE YEAR 1896.

Boston, Feb. 1, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston :

SIR: — The Board of Street Commissioners present the following as the report of the Street Laying-out Department, including a statement relating to public lands in their care, for the year ending Jan. 31, 1896.

Under the orders for laying out, widening and extending streets passed by the Board during the year, land to the amount of about 251,800 square feet was taken for street purposes; the total estimated damages amounted to \$165,457. Streets having a total mileage of 3.567 were made public ways. Under authority of the Act of the Legislature of 1891, for the assessment upon abutting property of the cost of laying out and constructing streets, there has been assessed, upon three streets, a total of \$16,838.35.

The Board has issued ninety-eight orders of notice of intention to lay out, widen, extend and discontinue streets or parts of streets, calling for public hearings; it has received and considered eighty-one petitions for street improvements, and for hearings in the matter of payment for damages occasioned by street improvements thirty-six petitions. Upon petitions in the matter of payment for damages sixty-four

hearings have been given and seventy-two settlements reached. One petition for release of sidewalk assessments and eight for release of sewer assessments have been received, and four releases made by the Board, under authority of the act empowering them to release parts of estates from assessments for sewers and sidewalks upon payment of the proportional parts due upon the parcels released.

The following is a list of streets released to the city, streets widened, relocated, extended and discontinued, with length of private streets made public, etc.

BOSTON PROPER.

STREET.	FEET.
Laconia, from Washington street to Harrison avenue, laid out	307.75
*St. Botolph, from Massachusetts avenue to Gainsborough street, laid out	566.86
*Norway, from Massachusetts avenue to Parker street, laid out and construction ordered	683.48
*Fullerton, from Brookline avenue to Fairhaven street, laid out and construction ordered	447.04
State, corner of Devonshire street, widened, 46 square feet taken.	
State, corner of Congress square, discontinuance, 59 square feet discontinued.	
†Peterborough, from Boylston road to Audubon road, laid out, construction ordered and building lines established	1,840.73
	<u>3,845.86</u>

ROXBURY.

STREET.
Windsor, north-west of Columbus avenue, discontinuance of 1,384 square feet.
Windsor, south-east of Columbus avenue, discontinuance of 851 square feet.
Dudley, near Mt. Pleasant avenue, 964 square feet taken.
Prentiss, south-westerly side, at N. Y., N. H. & H. R.R. widened, 97 square feet taken.

* Under authority of chapter 323 of the Acts of the Legislature of 1891, and amendments thereto.

† Under authority of chapter 323 of the Acts of 1893, 462 of 1893, 439 of 1894, and amendments thereto.

STREET.	FEET.
*Vancouver, from Huntington avenue to Ruggles street, extended to the Back Bay Fens, laid out and construction ordered	253.94
Tremont, between Columbus avenue and Linden Park street, relocated, 118 square feet taken.	
Whiting, from Moreland street to Winthrop street, laid out	320.00
Reed, from Hunneman street to Thorndike street, laid out	354.98
*Ruggles, from Parker street to the Back Bay Fens, laid out and construction ordered	945.21
Ruggles, corner of Columbus avenue, widened, 408 square feet taken.	
Judson, over part of a private way known as Dromey avenue to Brookford street, laid out	217.00
Abbotsford, from Harold street to Crawford street, laid out	60.00
Atherton, from Amory street to Lamartine street, laid out	650.23
Worthington, from Dale street to Circuit street, relocated.	
	2,801.36

DORCHESTER.

STREET.	FEET.
*Athelwold, from School street to Kilton street, laid out and construction ordered	1,031.00
*Edwin, from Dorchester avenue to Shawmut park, laid out	1,168.00
*Morse, from Washington street to Bowdoin avenue, laid out and construction ordered	316.41
*Fenelon, from Washington street to Merrill street, laid out and construction ordered	308.74
*Elizabeth, from Norfolk street to Astoria street, laid out and construction ordered	280.43
*Wilder, from Washington street to Geneva avenue, laid out and construction ordered	523.29
*Wolcott, from Columbia street to Erie street, laid out and construction ordered	672.64
*Gaylord, from Washington street to Chamberlain street, laid out and construction ordered	433.97
*Chamberlain, from Harvard street to Algonquin street, laid out and construction ordered	459.60
<i>Carried forward</i>	5,194.08

<i>Brought forward</i>	5,194.08
STREET.	FEET.
Centre, from Washington street to Remington street, widened, 19,723 square feet taken.	
Woodward Park, from Howard avenue to Folsom street, laid out	403.18
Washington, from Brent street to Welles avenue, relocated, 1,611 square feet taken.	
Leonard, from Duncan street to Clayton street, laid out	430.14
*Ellet, from Adams street to Dorchester avenue, laid out and construction ordered	425.28
McLellan, from Erie street to Blue Hill avenue, relocated.	
River, between Oakland street and Blue Hill ave- nue, relocated, 3,027 square feet taken.	
Pontine, from Batchelder street to Clifton street, laid out	383.00
Folsom, from Woodward Park street to Robinhood street, laid out	212.74
Pierce avenue, from Newhall street to Adams street, laid out	1,023.91
	8,072.33

WEST ROXBURY.

STREET.	FEET.
Tappan, from South street, laid out	446.51
Weld, from Church street to Maple street, relo- cated, 50,133 square feet taken.	
	446.51

BRIGHTON.

STREET.	FEET.
Leicester, from Bennett street to Washington street, laid out	764.57
*Strathmore road, from the Brookline line to Chest- nut Hill avenue, laid out	2,324.00
	3,088.57

CHARLESTOWN.

STREET.	FEET.
St. Martin, from Bunker Hill street to Medford street, laid out	513.46
Union, from Washington street to Lynde street .	70.21
Franklin, from Main street to High street, relo- cated.	
Sullivan, from Main street to High street, relocated.	
	583.67

RECAPITULATION.

DISTRICT.	FEET.
Boston proper	3,845.86
Roxbury	2,801.36
Dorchester	8,072.33
West Roxbury	446.51
Brighton	3,088.57
Charlestown	583.67

18,838.30 = 3.567 miles.

The estimated expense of the street improvements ordered in 1896, not including construction, is as follows:—

Dudley street, widened, south-west side, near Mt. Pleasant avenue, Roxbury	\$1,446 00
Athelwold street, laid out, School street to Kilton street, Dorchester	4,600 00
Edwin street, laid out, from Dorchester avenue towards Adams street, Dorchester	150 00
St. Martin street (formerly Quincy street), laid out, Bunker Hill street to Medford street, Charlestown	3,890 00
Vancouver street, laid out, Huntington avenue to Ruggles street, Roxbury	5,705 00
Tremont street, relocated, at junction with Columbus avenue, Roxbury	854 00
Norway street, extended, Massachusetts ave- nue to Parker street	7,342 00
Centre street, widened, Washington street to Remington street, Dorchester	4,387 00
Washington street, relocated, between Welles avenue and Brent street, Dorchester	1,842 00
Peterborough street, laid out, Boylston road to Audubon road	117,485 00
Ruggles street, widened, corner of Columbus avenue, Roxbury	1,938 00
McLellan street, relocated, Blue Hill avenue to Erie street, Dorchester	1,000 00
River street, relocated, between Oakland street and Blue Hill avenue, Dorchester	1,000 00
Abbotsford street, extended, Harold street to Crawford street, Roxbury	5,430 00
<i>Carried forward</i>	\$157,069 00

<i>Brought forward</i>	\$157,069 00
Pontine street, extended, to Clifton street, Dorchester	7,000 00
Folsom street, extended to Robinhood street, Dorchester	1,388 00
	\$165,457 00

ASSESSMENTS FOR LAYING-OUT AND CONSTRUCTION OF STREETS.

Assessments have been levied upon the estates abutting upon the following streets, under the provisions of chapter 323 of the Acts of the Legislature of 1891, and acts in amendment or addition thereto:—

STREET.	Date of Order.	Cost.	Amount Assessed.	Date of Assessment.
Norway.....	Sept. 14, 1894	\$7,056 30	\$7,056 30	Aug. 12, 1896
Sherborn....	Oct. 20, 1894	7,468 36	7,468 36	Aug. 12, 1896
Kenmore.....	Dec. 12, 1894	2,313 69	2,313 69	Aug. 12, 1896
		\$16,838 35	\$16,838 35	

Payments made for land damages and other claims, on account of laying out, widening, relocating and extending streets, including claims previous to Jan. 31, 1895:—

STREET LAYING-OUT DEPARTMENT APPROPRIATION.

Washington street, Dorchester	\$5,213 00
South street, West Roxbury	825 00
Ophir street, West Roxbury	50 00
Norfolk street, Dorchester	2,202 76
Boylston street, West Roxbury	150 00
Byron street, East Boston	750 00
Ruth street, East Boston	200 00
Blackinton street, East Boston	1,000 00
Julian street, Roxbury	250 00
Forbes street, Roxbury and West Roxbury	1,000 00
Tuttle street, Dorchester	500 00
Evergreen street, Roxbury	100 00
Dudley street, Roxbury	4,800 00
Ruggles street, Roxbury	1,938 00
Marshfield street, Dorchester	200 00
	\$19,178 76

PAYMENTS MADE FROM OTHER APPROPRIATIONS.

Harrison avenue, between Essex street and		
Beach street	\$89,467	90
Essex and Lincoln streets	65,234	26
Arklow street	1,364	80
Chambers street, Ashland street to Livingston		
street	4,000	00
St. Martin (formerly Quincy) street	2,690	00
Talbot avenue	7,000	00
Abbotsford street	5,415	00
Laying-out and Construction of Highways:		
Brighton avenue	\$172,431	75
Boylston street	75,068	06
Vancouver street	5,705	00
Greenbrier street	5,533	00
Turner street	5,000	00
Parker street	2,769	65
Harvard avenue	1,139	00
		267,646 46
Blue Hill and other avenues:		
Columbus avenue	\$221,615	86
Huntington avenue	96,889	35
Blue Hill avenue	65,929	39
Commonwealth avenue	57,910	60
		442,345 20
		<u>\$885,163 62</u>

EXPENDITURES.

Salaries and other Expenses.

John P. Dore	\$4,500	00
John H. Duane	4,000	00
George H. Innis	3,944	78
Secretary	3,000	00
Stenographer and typewriter	936	00
Messenger	477	72
		\$16,858 50
Advertising	1,134	49
Carriage hire	346	50
Stationery and printing	213	13
Atlases, maps and books	107	00
Telephone service	296	61
Carried forward	\$2,097	73
		\$16,858 50

<i>Brought forward</i>	\$2,097 73	\$16,858 50
Service of notices	15 55	
Services of appraisers	1,759 30	
Messenger service	60 70	
Expense of compilation of laws concerning the department	200 00	
Expense of annual report, including printing, stock, binding, maps, etc.	479 85	
Expenses, sale and removal of old buildings.	105 44	
Expenses, visit of Board to other cities	800 00	
Expense small fittings for office,	39 33	
Small supplies for office	24 60	
		5,582 50
		<u>\$22,441 00</u>

PUBLIC LANDS.

Advertising sales of land	\$41 25	
Commissions paid auctioneers on sales of lands	29 50	
Care of Austin School building, East Boston	40 00	
Care of Thomas-street School estate, Jamaica Plain	25 00	
Care of Thornton-street School estate, Roxbury	23 00	
Repairs on Webb School building, East Boston	224 61	
Taxes, Town of Hull	\$43 94	
City of Everett,	16 60	
		60 54
Stationery and printing	2 98	
		446 88
		<u>\$22,887 88</u>

The yearly rentals of lands and buildings in charge of the Board of Street Commissioners amount to \$2,933.

Seven hundred and thirty-four dollars have been received from the sale of old building material on Clinton street widening.

The expenditures of the Surveying Division of the Street Laying-out Department have been as follows:—

Salaries	\$47,216 38
Instruments and repairs	285 90
Surveyors' supplies	822 66
Stationery and printing stock	137 95
Printing	438 27
Books and maps	165 80
Travelling expenses (car fares, employees)	809 24
Telephone service	174 15
Office fittings	44 70
Advertising	176 20
Incidental expenses	16 78
	\$50,288 03

CHANGES IN STREET NAMES.

An order passed by the Board Feb. 17, 1896, giving the name of *Batterymarch street* to so much of the public way known as *Hamilton street* as led from the angle in said *Hamilton street* where it turned easterly to *Broad street*, to *High street* at *Fort Hill square*, was confirmed by the Board of Aldermen Feb. 24, 1896, and took effect under the provisions of law governing the matter, March 1, 1896.

An order passed by the Board Feb. 17, 1896, giving the name of *Franklin street* to the public way known as *Bread street*, which led, in continuation of said *Franklin street*, from *Broad street* to *India street*, was confirmed by the Board of Aldermen Feb. 24, 1896, and took effect, under the provisions of law governing the matter, March 1, 1896.

An order passed by the Board Feb. 17, 1896, giving the name of *Harvard street* to the public way at *Dorchester*, known as *Back street*, which led, in continuation of said *Harvard street*, from *Blue Hill avenue* to the boundary line between the City of Boston and the Town of Hyde Park, was confirmed by the Board of Aldermen Feb. 24, 1896, and took effect, under the provisions of law governing the matter, March 1, 1896.

The following reports and estimates of the cost of proposed street widenings, extensions, etc., on orders of the City Council have been made during the year:—

Lewis street, East Boston, widening on southerly side, from the South Ferry to Webster street.

- Stetson court*, Charlestown, extension to Park street.
- Pontine street*, Dorchester, extension to Clifton street.
- Albany street*, City Proper, widening from Troy street to Lehigh street.
- Elm street*, Charlestown, extension to Mystic Wharf.
- Ruggles street*, Roxbury, from Tremont street to Parker street.
- Brigham street*, East Boston, to and through Pearl place.
- Ashburton place*, City Proper, widening.
- High street*, Charlestown, widening and straightening.
- Carleton (called Claremont) street*, City Proper, from West Rutland square to Wellington street.
- Freeport street*, Dorchester, retaining wall on east side.
- Alford street*, Charlestown, widening from Main street to Everett line.
- Florence street*, West Roxbury, laying out from Catherine street to Hyde Park avenue.
- Bayard street*, Brighton, report on laying out.
- Kenneth street*, Brighton, report on laying out.
- Weitz street*, Brighton, report on laying out.
- Green street*, Charlestown, widening from Main street to High street.
- Chelsea street*, Charlestown, widening from Henley street to Mount Vernon street.
- Cambridge street*, City Proper, widening on southerly side from Ridgeway lane to Bowdoin square.
- Vernon street*, Roxbury, extension from Tremont street to Parker street.
- Willow park*, Roxbury, Shawmut avenue to Westminster street.
- Perkins street*, West Roxbury, widening from Day street to Jamaica way.
- Glover court*, Dorchester, laying out and extension from Woodward street to Dorchester avenue.
- South street*, West Roxbury, widening from Keyes street to Morton street.
- Court street*, City Proper, widening on southerly side, from Sudbury street to Bulfinch place.
- Beacham street*, Charlestown, extension.
- Calumet street*, Roxbury, laying out highway from, to Parker Hill avenue.
- Wait street*, Roxbury, widening from Huntington avenue to Hillside street.
- Bennington street*, East Boston, widening from Saratoga street to Blackinton street.

Walley street, East Boston, widening from Blackinton street.

Broadway, City Proper, extension, by widening Pleasant street, from Washington street to Park square.

AUTHORITY GIVEN TO OPEN NEW STREETS.

Acting under the provisions of chap. 323 of the Acts of the Legislature of 1891, and acts in amendment thereof, the Board of Street Commissioners have during the past year given permission to land-owners to open the following private ways:—

South Boston.

A street, from Congress street, north-eastwardly.

Richards street, from A street, south-eastwardly.

Binford street, from A street, south-eastwardly.

East Boston.

Overlook street, from Farrington street to Waldeniar avenue.

Waldemar avenue, from Overlook street to the Boston and Maine Railroad.

Roxbury.

Harold street, from Monroe street to Walnut avenue.

Nazing street, from Blue Hill avenue to Maple street.

South Huntington avenue, from Heath street to Catalpa street.

Bynner street, from Day street to the Jamaica way.

Roswell street, from Langdon street to Shirley street.

Plant avenue, from Parker street to Bickford street.

Atherton street, an extension of, from Amory street to the New York, New Haven and Hartford Railroad.

Arcola street, from Day street, north-westwardly.

Mark street, from Day street, eastwardly.

Greenleaf street, from Rogers avenue, westwardly, then north-westwardly.

Dorchester.

Willowwood street, from Lauriat avenue to Ballou avenue.

Atherstone street, from Fuller street to Bailey street.

Hosmer street, from Norfolk street.

Tesla street, from River street to Edgewater drive.

Tokio street, from River street to Edgewater drive.

Malta street, from River street to Edgewater drive.

Edgewater drive, from east of Tesla street to the Hyde Park line.

- Burmah street*, from Edgewater drive, northwardly.
Roseclair street, from Boston street, eastwardly.
Thatcher road, from Stoughton street to Cushing avenue.
Freeman street, from Faulkner street, southwardly.
Charlotte street, from the Old Road to Bradshaw street.
Esmond street, from Blue Hill avenue to Bradshaw street.
Bradshaw street, an extension of, to Sanborn avenue.
Russell park, from Westville street, northwardly.
Randolph road, between the New England Railroad and Ridge street.
Richmond road, from Randolph road, north-eastwardly.
Roland road, from Randolph road, north-eastwardly.
Rockingham road, from Randolph road to Oakland street.
Regent road, from Randolph road to Oakland street.
Ridge road, from Randolph road to Oakland street.
Ruxton road, from Regent road to Ridge road.
Helen street, from Talbot avenue to Bernard street.
Kerwin street, from Talbot avenue to Bernard street.
Shepton street, from Shawmut park, eastwardly and westwardly.
Bellevue street, an extension of, from Barrington street, north-eastwardly.
Barry street, an extension of, from Barrington street, south-westwardly and then south-eastwardly, to Clarkson street.
Stanley street, an extension of, from Bellevue street, south-westwardly.
Becket street, from Codman street to Van Winkle street.

West Roxbury.

- Johnswood road*, from Prospect avenue.
Wyvern street, from Hyde Park avenue to Florence street.
Hampstead road, from Park road, north-westwardly.
Barbara street, from Centre street, westwardly.
Fletcher street, from Centre street, southwardly.
Wachusett street, an extension of, from Walk Hill street to and across Eldridge road.
Patten street, from Hyde Park avenue to Bourne street.
Rodman street, from Wachusett street to Patten street.
Eldridge road, from Hyde Park avenue to the Minot estate.
Nathan street, from Patten street to Eldridge road.
Chestnut square, from Chestnut avenue, eastwardly, then southwardly.
Aldworth street, from Centre street, northwardly.
Houston street, from Montview street to Crest street.

Potomac street, from Mt. Vernon street to Yorktown street.
Yorktown street, from La Grange street to Potomac street.
Emsella terrace, from Lamartine street to the New York, New
 Haven and Hartford Railroad.
Montebello road, from Washington street to Walnut avenue.

Brighton.

Ayr road, from Beacon street to Orkney road.
Orkney road, from Strathmore road to and across Ayr road.
Empire street, from North Harvard street, eastwardly.
Antwerp street, on extension of, from Western avenue, south-
 eastwardly.
Telford street, from Western avenue to the Charles River
 Reservation.

PUBLIC LANDS.

The following is a list of the real estate belonging to the
 City in charge of the Board of Street Commissioners:—

City Proper.

DESCRIPTION.	SQUARE FEET.
Harrison avenue, corner of Wareham street, land and building	3,816
Leased for five years, from April 30, 1892, at \$1,050 a year.	
Albany street, land opposite East Brookline street	1,074
Rented for \$100 a year.	
Harrison avenue, land between Brookline and Newton streets	4,740
Albany-street wharf	26,024
Part of rented for \$520 a year.	
Land used by the City Hospital	5,021

East Boston.

Porter street, Webb School estate	7,492
Paris street, Austin School estate	5,360

South Boston.

East First and L streets, land	33,700
East First and L streets, flats	50,000

Charlestown.

DESCRIPTION.	SQUARE FEET.
Rutherford avenue, land on north-east side .	29,445
Small part of rented at \$12 a year.	
Remainder occupied by City Departments.	

Roxbury.

Swett street, land and buildings, old small-pox hospital	111,431
10,660 square feet leased for five years from Nov. 1, 1894, for \$300 a year.	
Old small-pox hospital, rented for \$300 a year.	
About 42,000 square feet set aside for use of Fire Department, by order of the City Council, approved April 30, 1892. This part now occupied by buildings of a hospital for contagious diseases in charge of the Board of Health.	
Ritchie street, land opposite the Marcella-street Home	22,716
Thornton street, Thornton street Primary School estate	6,644

Dorchester.

Dorchester avenue and Gibson street . . .	208,750
42,000 square feet rented to Sewer Division of Street Department at \$150 a year.	
32,600 square feet rented to Boston Water Board at \$125 a year.	
52,200 square feet rented to Paving Division of Street Department at \$200 a year.	
Gibson street, land on southerly side, near Dorchester avenue	27,040
Gibson street, land on southerly side, near Adams street	27,890
Dorchester avenue and Park street, land . . .	250,553
About 129,240 square feet placed in charge of Public Grounds for a playground, by an order of the City Council, dated May 23, 1889.	
Pasturage of grass land on both sides of Dorchester avenue rented for \$75 a year.	
Boston street, near Upham's Corner . . .	1,345
Baker's court, old lock-up estate . . .	1,580

West Roxbury.

DESCRIPTION.	SQUARE FEET.
Moreland street, land	30,421
Thomas street, Thomas street Primary School estate	10,954

Brighton.

Western avenue, marsh, north-east of Western avenue and north-west of North Harvard street	10,890
Parkman street, land on south-west side of .	5,000

Islands, etc.

Great Brewster Island, Boston Harbor, about 16 acres. Rented for \$100 a year.	
Apple Island, Boston Harbor, about 9½ acres.	
Summer and Pleasant streets, in town of Everett, old gravel pits	20,700

Conveyance of Estate.

The following estate belonging to the city was conveyed, under authority of an order of the City Council approved by the Mayor, March 17, 1896, to the Massachusetts Homœopathic Hospital, for the erection thereon of a nurses' home:

	SQUARE FEET.
Stoughton street	11,868

Chapter 408 of the Acts of the Legislature of 1895 provided that the Board of Street Commissioners, at the request of the School Committee, shall take by purchase or otherwise such lands for school purposes as the School Committee, with the approval of the Mayor, shall designate, etc., and that the damages sustained by any person under such taking

shall be determined by agreement between said Board and person, etc. Under this act the Board have taken during the year the following lands : —

LOCATION.	School.	From whom taken.	Date of taking.
Centre and Lithgow streets and Talbot avenue, Dorchester.....	New Dorchester High School.....	A. K. Teele and R. C. Humphreys, trustees.	Feb. 11, 1896.
Prince street and Bennett avenue.....	New school....	Thomas McCormick and others.....	May 9, 1896.
Allen, Chambers and Poplar streets.....	New school...	Patrick Smith and others,	May 22, 1896.
Paul Gore street, West Roxbury	New school ..	George S. Curtis.....	July 29, 1896.
Mackin street, Brighton....	William Wirt Warren School.....	Roderick Richardson....	July 29, 1896.
Anderson street.....	Sharpe School,	S. H. Williams.....	Aug. 5, 1896.
Cambridge street, Brighton,	Washington Allston School.....	John W. Hollis	Aug. 5, 1896.
Walk Hill street, West Roxbury	New school....	Mary R. Peters and others,	Aug. 26, 1896.
Dorchester avenue, Dorchester.....	Gilbert Stuart School.....	A. K. Teele and R. C. Humphreys, trustees ...	Sept. 16, 1896.
Kenilworth and Washington streets.....	Dilla way School.....	Louis Berenson.....	Jan. 11, 1897.

A SUITABLE CONNECTION WITH THE NORTH SHORE BOULEVARD.

The construction of the great North Shore boulevard makes it desirable that the city of Boston should provide a thoroughfare that will be a suitable access to this obvious improvement. The shore drive is destined to become one of the most frequented in or out of the city, not only in summer, when so much of Boston's population is scattered along the coast, beyond city limits, but also in the favorable days of winter. The popularity of Chelsea street during the periods of sleighing alone attests the need of a boulevard on the north-east side of the city. And at all seasons the travel between Maverick square, or the ferries, out through the Fourth Section of the Island to Winthrop and beyond is far greater than citizens who but infrequently cross the harbor have, probably, any conception of. The shore boulevard will find an outlet in Beachmont avenue, near Winthrop Junction, and thence over Bennington street, to Chelsea street, which, from Bennington street, is a direct way to Maverick square and the South Ferry. Bennington street is itself a

straight thoroughfare, and connects directly with Beachmont avenue, which runs to the boundary line between Boston and Revere at the Belle Isle inlet, where the North Shore boulevard has its beginning. Beachmont avenue and Bennington street are now fifty feet wide, and even with the travel which already passes over them (especially over the latter) it would be advantageous to widen them. Chelsea street is seventy feet wide, and if Bennington street and Beachmont avenue were widened twenty feet to conform with it, it would be virtually equivalent to carrying the shore driveway through to the harbor front. This proposition, viewed apart from the standpoint of general convenience and desirability, has a local significance, which, while incidental, might be fully compensating.

THE "MISSING LINK" IN THE PARK SYSTEM.

The commissioners have before this directed attention to the work necessary to be done to supply what has been called the "missing link" in the park system connections. There is not now a suitable thoroughfare between the Marine park at South Boston and Franklin park. The Board heartily reiterates recommendations it has had the honor previously to submit regarding the widening of Columbia street and Boston street; the great desirability of this improvement being a natural sequence of developement of the park system. Columbia street is already extensively used for light driving between the Dorchesterway (a continuation of the Strandway) at the Five Corners, where Boston street and Massachusetts avenue conjoin, and the entrance to Franklin park, where Columbia street opens into Blue Hill avenue. Boston street, from the Dorchesterway to Dudley street, is of varying widths, and Columbia street, from Dudley street to Franklin park, is no less changeable. If both thoroughfares were widened uniformly, the improvement would have a much wider than local appreciation; and the cost would represent a wise investment for the city. Massachusetts avenue, the great cross-town thoroughfare, becomes a factor in this consideration. To reach Franklin park by way of Massachusetts avenue, Boston and Columbia streets (widened) would be much more agreeable driving than passing out from the city through the thickly settled parts of Roxbury and Dorchester, while the distance would be about the same in both directions.

TRAVEL FROM STATION TO STATION.

Under this heading may be grouped several recommendations and reiteration of suggestions heretofore made. That there is need of better facilities for that great amount of travel which passes, in the main diagonally, over the most congested section of the city is no longer regarded as debatable. It must be admitted, too, that it is well nigh impossible for the city as a corporation to keep pace with the quasi-public and private improvements which have recently been either undertaken or consummated, so many and so imperative are the demands upon public revenue. That delays are often costly is, however, also true, and the Street Commissioners must often, however reluctantly, modify their views of what would be best for the city in street widenings and extensions for the reason that even while a project is being canvassed private enterprises of great magnitude are carried out, thus making it impossible, by reason of added expense, to act decisively upon original designs. This is true of the plan by which Cross street might have been made an adequate thoroughfare for heavy travel between the neighborhoods of the new Southern terminal and the Northern terminal, as well as the Charlestown bridge. It surely cannot be very long, so greatly is traffic augmenting, before the city will be obliged to provide adequate streets in the district under consideration, and it is well to bear in mind this important consideration: the sooner improvements are made the less they will cost the taxpayers. The possibility of widening Exchange street has often been suggested as a relief for the fearful congestion which has so long been borne with in the neighborhood of State and Devonshire streets. That this is desirable there is no doubt, but it would be almost fabulously expensive and, under the changing conditions, might not in the end prove adequate. Some more radical and far-reaching improvement must be considered.

Having said this much by way of preface, the approaches to the Northern terminal and Charlestown may be specially considered. That these approaches are not wide enough is an assertion that does not need to be made for the benefit of those who daily struggle through them. Haverhill street is now only fifty-five feet wide. Canal street is five feet narrower, and it would be well to widen both streets to seventy feet, or as near to that width as it would be possible to make them. The widenings could be made substantially in line of the projection of the head-house of the old Boston & Maine station, which is now city property. The widening of

Charlestown street is of great importance, because it affords the direct approach to the new Charlestown bridge, now in course of construction, and because, also, it would form an outlet for Cross street — a part of the plan, of course, being that Cross street should be widened and extended. Charlestown street is now fifty feet wide, excepting for a short distance near Causeway street, where it has already been widened to sixty feet on, perhaps, a half-dozen estates. The new bridge will be one hundred feet wide, but the commissioners do not think it follows that Charlestown street should be made to exactly correspond with it, inasmuch as Haverhill and Canal streets may be widened. Moreover, the percentage of land devoted to streets in that section, in proportion to the whole area through which they run, is probably greater than the street surface in a like territory in any city in the country. Supposing the widenings are to be actually made, then the widths of streets approaching the bridge will be — Charlestown street, eighty feet; Medford street, forty feet; Beverly street, fifty feet; Haverhill street, seventy feet; Canal street, seventy feet. This gives a total of three hundred and ten feet, and it does not include Causeway and Commercial streets, both of which come to the bridge at about right angles. Charlestown street being widened to the junction of Haverhill and Cooper streets, the next consideration is Cross street; and the Board recommends, substantially, as it has done before, that it should be made an adequate thoroughfare for heavy teaming across Endicott, Salem, Hanover and North streets, entering Commercial street over Clinton street, which has already been widened at that point. From Clinton street, Commercial street should be widened to State street. While this would be an expensive improvement it is one imperatively needed. The congestion in front of the market amounts at times to nothing short of a tangle. It is as difficult a point for teams as the neighborhood of State and Devonshire streets, if it is not worse, and the only reason less has been said about it is, probably, that foot travel is lighter there than on State street. From the corner of Commercial and State streets heavy teams may approach Atlantic avenue over State street. It seems vain to again recommend extending Commercial street, for great commercial buildings now stand in the way, and the damage to these would make the cost an insurmountable obstacle. State street is, however, eighty feet wide to Atlantic avenue, and Atlantic avenue is 100 feet wide from State street to Kneeland street. Here, then, is suggested something like an adequate passage for the enormous traffic from the new Southern terminal, the freight depots in South

Boston, that through teaming which will come in over the Summer-street bridge, and much more that need not be enumerated. It would be well if Dorchester avenue were extended on the water side of the new station to Congress street, and Congress street widened to eighty feet from the Fort Point channel to Atlantic avenue. Much relief would in this way be afforded High street, Pearl, Oliver and Devonshire streets — and the last mentioned is not the one where the least necessity exists.

COVE-STREET VIADUCT.

It is unquestionably a matter of paramount importance that some other way than any yet provided should be established between the city proper and South Boston in the immediate neighborhood of the new Southern station, which, it is confidently asserted by the railroad managers in interest will be completed within two years. In a matter which so vitally affects the efficiency of street service facilities the Commissioners feel it a duty, whatever may be said or done in other official quarters, to urge as strenuously as they may the construction, with as slight delay as possible, of a viaduct by which Cove street may be extended from Kneeland street across to Dorchester avenue at West First street. Even a superficial examination of the subject will, we think, convince anyone that if this recommendation were adopted there would be opened up an important district which is now effectually "pocketed" between Summer street and the Broadway extension bridge. This Cove-street viaduct would not only afford a passage for the ingress and egress of South Boston travel, but it would be an incalculable relief to the uncomfortable conditions of travel that are certain to prevail alongside of what is to be the greatest terminal in the country. If some of the cars coming to the new station are not by this way diverted, but instead all are to be forced into the enormous general traffic near the station, and mixed up with it, the congestion there will equal, if not surpass, the aggregation of traffic at any point in the city, which is certainly saying a good deal. Foreseeing, therefore, that even under the most favorable conditions there must of necessity be an immense accumulation of business of all kinds in the street in front of the station, the Board wishes to press this subject; for the prevention of a hopeless state of congestion is self-evidently less difficult than to assuage it.

BRIGHTON RECOMMENDATIONS.

The Board is of the opinion that it would be advantageous, and is therefore desirable, to widen North Harvard street, Brighton, from Western avenue to the Charles river, so as to connect at a uniform width with the thoroughfare on the opposite side of the river, the city of Cambridge having already widened it to sixty feet. North Harvard street is now forty feet wide, and the proposition is to widen it twenty feet, the Cambridge continuation of it being now sixty feet. There is a great deal of travel in this neighborhood. Western avenue, which North Harvard intersects, is a thoroughfare to Watertown, while the latter is much driven because it leads directly from Brookline to Harvard University.

The Board also recommends the widening of Tremont street, Brighton, from Oak square to the Newton line. This is an important thoroughfare, and the widening is especially desirable now inasmuch as the city of Newton has widened and actually constructed the portion of it which lies in her territory. In making this recommendation the Board but seconds the suggestion made in your Honor's inaugural address. It is well, however, to call attention to it again.

PROGRESS ON THE GREAT AVENUES.

A few words were gratefully said in the last report about the laying out of extensions and widenings of the great avenues, which form as distinctive a feature of the new Boston as the narrow lanes in an other section do of the old. It is gratifying now to observe the progress made during the past year on these public works. The extension of Commonwealth avenue from Chestnut Hill avenue to the Newton line, connecting with the grand boulevard across that city, is now practically completed; so there is at last one Commonwealth avenue from the Public Gardens in Boston to the right bank of the Charles river in Newton. Brighton avenue is completed, and now furnishes the local embellishment and greatly improved facilities of transit which the people of that fast-growing district have so long desired. The work of constructing Blue Hill avenue to the Neponset river, which it will eventually cross to form a connection between the Boston park system and the Blue Hill reservation, is so well advanced that its completion to Walk Hill street by the close of the coming season may reasonably be anticipated. The Columbus-avenue extension is already finished to the Roxbury Crossing, and the electric cars are running over it to that point.

TAKING LAND FOR SCHOOL PURPOSES.

The special act of legislation which vests in this Board the authority to take land by purchase or otherwise for school-house sites has worked less satisfactory results than, no doubt, its framers anticipated. One purpose of the law may have been to provide a check, one department upon another; and even in this respect the act has not been a complete success, while from the standpoint of civic expenditure it is a disappointment because it eliminates the element of competition from every such transaction, and therefore tends toward extravagant, rather than economical prices. The School Committee itself may, it appears, make an agreement or contract with owners of land to be acquired upon the price to be paid, and such agreement is thought to be binding upon the city. In such case the duty of this Board is merely the going through of the legal forms necessary for the vesting of right and title in the city. But where a prior arrangement or agreement has not been made, as is more frequently the case, then the board must make the best settlement possible under the circumstances with the owners of the particular, specified lots of land which the School Committee has requested it to seize or purchase. The Commissioners have no alternative and no latitude. Whatever the secret spring in human nature, whether avarice, covetousness or some less severe quality, it certainly cannot be denied that most land owners large and small, expect higher prices from the municipality as well as from corporations using land for quasi-public purposes than they do from private purchasers; and they appear to be justified in this expectation by the very generous treatment that they usually receive at the hands of juries to which appeal is occasionally made. This Board is of the opinion therefore that it is a faulty method of doing business for one department to publicly declare its determination to take a particular parcel of land, and then leave it for another department to settle with the owners of that land. If it were possible for the School Committee to designate how much land it stands in need of and in what immediate neighborhood, leaving the Street Commissioners to advertise for bids from owners therein, it would doubtless be found possible to secure school-house sites for smaller outlays than are now exacted by those owners who, in effect are publicly declared by the purchaser to have the only article which the purchaser not only wishes but, per force, *must* buy.

PROVIDING FOR FUTURE GROWTH.

The work of surveying and plotting streets in undeveloped territory in the outlying districts of the city, under the provisions of chapter 323 of the Acts of the Legislature of 1891 and acts in amendment thereto, has been carried forward during the past year under the direction of this Board. Public hearings were given by the Board at room 25, Old Court House, to all persons interested in the several areas or groups of sections under consideration, as follows:—

March 27.—Territory bounded, approximately, by Massachusetts avenue, Shawmut avenue, Ruggles street, Rogers avenue, and Huntington avenue. (Columbus avenue extension.)

April 10.—Territory located in the parts of Boston, formerly West Roxbury and Dorchester, and bounded, approximately by Forest Hills Cemetery, Franklin Park, and Morton, Norfolk, and Walk Hill streets.

May 8.—Territory in that part of Boston formerly Brighton and bounded, approximately by Chestnut Hill avenue and Commonwealth avenue and Lake and Washington streets.

August 14.—Territory in that part of Boston, formerly Dorchester and bounded, approximately, by Walk Hill street, Blue Hill avenue, Oakland street and Harvard street.

September 4.—Territory in that part of Boston, formerly West Roxbury, and bounded, approximately, by Centre street, Grove street, the town of Dedham, the West Roxbury branch of the N. Y., N. H. & H. R.R., Baker street and Spring street.

October 23.—The territory bounded, approximately, by Washington, Kingsbury and Bainbridge streets, Walnut and Humboldt avenues, Holworthy street, Walnut avenue and Cobden street.

October 23.—The territory bounded, approximately, by Blue Hill avenue, Franklin Park, Harold, Holworthy, Wyoming, Warren, Carlisle, Gannett and Gaston streets.

October 23.—The territory bounded, approximately, by Heath, Walden, Centre, and Perkins streets, the Jamaica-way and the Town of Brookline.

The observation may properly be made that the present report is the first offered by the Street Commissioners which covers a full year's work carried on under their direction. The Board of Survey ceased to exist in July, 1895. The period for which this Board last reported was therefore

only a portion of a year, — from July, 1895, to February, 1896. The Board now finds itself in a position to state that during the first complete year of effort satisfactory progress has been made, systematically and consistent with the system introduced in 1891, for the development of unimproved territory. Since it took charge of the Survey Department the Board has accomplished the plotting and filing of ninety-three sections ; and for the period for which it now reports sixty-five sections, which may be grouped as follows :

South Bay territory	.	.	.	4 sections.
Roxbury and Dorchester	.	.	.	40 "
Brighton	.	.	.	7 "
West Roxbury	.	.	.	14 "
				—
Total	.	.	.	65 "

The Roxbury and Dorchester sections are given collectively, because the former boundary line, which existed before annexation, runs through a number of them.

CERTAIN AREAS PARTICULARIZED.

One of the largest undeveloped areas of which a study has been made is that bounded by Walk Hill street, Blue Hill avenue, New England Railroad, Oakland street and Harvard street (formerly Back street). In considering this and similar work the Board has tried to adhere to the method adopted by it soon after the survey operations were put under its charge, of selecting territory for plotting in close proximity to some one or more of the great avenues. This particular territory lies near and west of Blue Hill avenue, and is one of considerable area. It is wild, wooded, and in places swampy, but when made accessible by the construction of streets and thoroughfares will contain much available and desirable building land. At present it does not differ materially in character and appearance from an average undeveloped tract in the remotest wilds of New England. But the irresistible march of municipal improvement must soon bring it within the region of city habitations. The first step toward this end is the laying-out of suitable streets. Three, having a width each of sixty feet, have been projected, and these are designed to become thoroughfares, with a view to their ultimate use also by street cars. In addition, there have been projected thirty-five streets having a width of forty feet. These will be of various lengths. This statement

alone may give some idea of the extent of the territory yet to be improved. It covers about fifteen sections containing 344 acres. The plans adopted for four of these sections have already been filed, and the plans of the remainder are in progress and under consideration. Several very large holdings will be favorably affected. One of these, belonging to the estate of Hannah F. C. Holbrook, contains a little over 2,350,000 square feet, lying along Harvard street. In the north-easterly portion of the area is an estate of over 2,676,000 feet which is held in the name of Abbott Lawrence and others as trustees. Another large estate, lying in the southerly extremity of the territory and adjoining Oakland street contains more than 1,738,000 square feet; it is represented by George W. Haven. Many smaller estates aggregate close upon 7,000,000 feet more. One of the three main thoroughfares referred to is planned to open on Blue Hill avenue, nearly opposite to the Mattapan station of the New England Railroad, the other end of it being at the junction of Oakland and Harvard streets. Another will run directly from Harvard and Walk Hill streets to Oakland and Harvard streets, joining the thoroughfare leading toward the Mattapan station. Old Back street (now Harvard) is very crooked between the points which this new thoroughfare will connect in a straight line. With two large cemeteries along the entire westerly side of it there can never be any further development in that immediate direction; hence the new way as planned. Its construction will naturally cause this portion of Old Back street to cease being so important a thoroughfare, while, however, it will continue to be a convenient street. The third of the new sixty feet thoroughfares will run from Tileston avenue at Walk Hill street across to Oakland street, to the neighborhood known as Rugby, where the streets are already laid out and there has been a partial development. These three form the base for the treatment in development of this territory. The thirty-five streets of forty feet width are substantially parallel to or at right angles with the proposed extension of Harvard street. In the division of the territory the Board has endeavored to allow for lots of 100 feet depth on these streets, and lots of a little more depth on the main thoroughfares whose width will be sixty feet. They have utilized certain private ways already projected, viz., Mattapan street, Tileston avenue, Dyer avenue, Almont street, Collins street, Messenger street, Favre street, Bismarck street, and Haven street. As a whole, this area is the largest the Board has considered during the past year.

Another area upon the development of which the Board has given considerable attention lies to the north of the one just described. Immediately south of Franklin Field it extends both sides of Blue Hill avenue, along Walk Hill street and Canterbury street.

It is somewhat more developed than the first, for it contains both the Austin and the Pierce farms, the property of the city. Roughly described, it lies in the vicinity of Forest Hills Cemetery, Franklin park and Franklin field. With the city property included, the area is almost exactly triangular in form. It contains twenty-seven sections, the plans of sixteen of which have been filed in the past year; the remainder are in progress and will be ready for filing during the coming year. Here, as in the other tract described, several very large private holdings will be advantageously affected. Of these, four may be particularized to indicate how much undeveloped land may ultimately be rendered available. The Holbrook estate alone contains about 2,500,000 square feet; the Abbott Lawrence estate about 500,000 square feet; the Jacob Fottler estate about 1,500,000 square feet; and the Joseph Morton estate about 2,500,000 square feet. There is a large number of smaller estates, the dimensions of which make a liberal aggregate. It has not been found necessary to project any wide thoroughfare with a new name, as it is the purpose of the Board to widen Morton street to eighty feet, and Canterbury street to sixty feet. The relation of these to the area is such that planning for greater facilities of travel need be confined only to narrower streets, not thoroughfares. Of these there will be seventy-seven, whose width will be uniformly forty feet. Seventy of them are newly projected. From the extent of these areas and the unevenness and diversity of soil and surface it may easily be imagined that an immense amount of time and labor have had to be expended in accurately surveying them. Taken together, the two areas, lying in the southerly part of Dorchester, represent all the work accomplished in the part of the district lying between Franklin park and Mattapan, while also some of the sections extend over the old boundary line into the West Roxbury district.

The work done in the Roxbury district was in three different localities quite remote from each other. Described in one sentence, the first area is the Grove Hall neighborhood and lies on both sides of Blue Hill avenue; the second includes, and is in the immediate vicinity of, the Boston baseball grounds, along the line of the Columbus avenue extension; the third lies along the Jamaica way of the park system, be-

tween Heath street and Perkins street. All, it will be observed, are near recent important public improvements. In the Grove Hall territory the work accomplished concludes with the filing of the plans of ten sections, four of which are west of Blue Hill avenue and bordering on Seaver street, and six of which are east of the avenue, lying between it and the tracks of the New England Railroad. The plans of the four sections, first mentioned, show parts of Franklin park and Seaver street and the connections with Humboldt avenue and other public ways. The opportunities for development here are somewhat limited, and they are much greater in the six sections on the east side of Blue Hill avenue. The plans of the six sections make an exhibit of Columbia street, widened to eighty feet through three of them. Several very large estates, which must some day be subdivided, lie within the area. Near the junction of Columbia street with Blue Hill avenue is a part of the Marshall P. Wilder property, containing 146,200 square feet, and between Seaver and Washington streets, bordering on Columbia street, there are 229,103 square feet more of this estate. The Edward B. Wilder property, at the corner of Washington and Columbia streets, represents 108,210 square feet. The well known and much discussed premises of the Cullis Consumptives' Home, at the junction of Blue Hill avenue and Washington street, measures 449,230 square feet. Farther east on Columbia street, and lying between Geneva avenue and Stanwood street, there are 410,370 square feet in one estate, — that of Stephen Wales, — and beyond Stanwood street (north-east) is the J. C. Spillane estate, containing 587,800 square feet, some of which, however, has already been subdivided into small lots for home-building purposes. North of this again, with a frontage on Columbia street, is the William T. McKechnie property of 428,808 square feet, and adjoining it, the estate of A. Warren Spencer, consisting of 563,298 square feet. The Spencer estate is under a high state of cultivation, with beautiful gardens and lawns, while the adjacent McKechnie property comprises, on the other hand, and in striking comparison, rugged places, heavily wooded, where troops of gray squirrels are safer from molestation than they would be in the forests of Maine. It is sufficiently diversified to make surveying difficult and tedious. In the plotting of it, it did not seem necessary to provide for any new thoroughfares, because Geneva avenue and Columbia street (widened) furnish adequate facilities. The present width of Columbia street varies from thirty to fifty feet. Independent of the regular work of plotting in the survey

division, but consistent with it, the Board has had plans made for the widening of this important thoroughfare over its whole length, from Franklin park to Boston street, as well as for the widening of Boston street to eighty feet from Dudley street to the Dorchesterway, the design being to supply a suitable connection in the Park system. Approximate surveys have been completed. While the projecting of very wide streets was not deemed necessary, the Board has, however, provided for twenty new streets of the width of forty feet in the territory under consideration. These will be about two hundred feet apart, substantially parallel, and, for the greater part, running from Blue Hill avenue through to Columbia street.

The next area in the Roxbury district to be reported upon is that which includes the baseball grounds. It is bounded by Tremont street, Ruggles street, Rogers avenue, St. Botolph street and Massachusetts avenue. Plans of three sections were filed, showing the development of the ball grounds and adjacent property. Between Columbus avenue and the tracks of the Boston and Providence division of the N. Y., N. H. & H. R.R. are several estates, each of which is a long irregular strip, running down to what was formerly the old creek, making the boundary line between Boston and Roxbury. Originally, those who had these strips had ownership to the middle of the creek, which fact accounts for the unusual shapes of the properties. They contain from 15,000 to 59,000 square feet each, and are owned by several individuals. They were accessible of late years, only over a passageway twenty feet wide. The Board has planned five streets to run from Columbus avenue in toward the railroad. They are between Camden and Walpole streets, two of them cutting the ball grounds, the area of which is 187,779 square feet. The Board felt it to be expedient to take action in this territory on account of the importance given it by the extension of Columbus avenue.

The third in the Roxbury series of plottings comprehends a very large tract near the Jamaica way, the plans of five sections having already been filed and the plans of three more being so well in progress that they will be ready for filing in the near future. Taken together, they represent the territory lying between Heath street and Perkins street. Here, again, are several large private estates, which, sooner or later, will be separated into many smaller holdings. There are 277,000 square feet in the Frederick Bleiler estate, at the corner of Heath and Day streets, and 771,890 square feet in

the Joseph Nickerson property, between Heath street and the Jamaica way. In the Thomas L. Livermore estate 484,190 square feet are accounted for, while the George Curtis estate, bounding on Castleton and Catalpa streets, contains 687,703 square feet, and is already divided into house lots. There are several other prominent but smaller properties. The principal new thoroughfare shown on these plans is sixty feet wide, and, beginning near the junction of Heath street and Huntington avenue, and running substantially parallel with the Jamaica way, connects with Catalpa street, near Castleton street. The plans provide also for twelve streets, each forty feet wide. The territory is somewhat diversified, and there are ledges in it, but these are being rapidly levelled.

The plotting of four sections in the South Bay territory has been worked out, the sections lying south of Swett street and east of the New England Railroad. The plans for the most part show streets in continuation of the system shown on the four sections, plans of which were filed last year and mentioned in the Board's last report. The later plans provide for five streets, sixty feet wide, between Boston street and the railroad and running nearly at right angles to Swett street. The idea of the Board, consonant with a general design, has been that these streets may be ultimately carried through to Massachusetts avenue. Most of the land affected is marsh and wholly undeveloped; but, lying so near the centre of the city, it is reasonable to suppose that in the near future it must become very valuable and utilized for commercial purposes, hence the plotting of streets sixty feet wide. The South Bay Improvement Company holds most of the land in the four sections.

Plans have been filed of fourteen West Roxbury sections lying south of West Roxbury village and between the West Roxbury branch railroad and Washington street, the southern limit being the Dedham line. The greater part of this large tract is wholly undeveloped, and is the heart of a rough, uneven country, abounding in ledges, loose stone and scrub oak. It was in spite of the difficulties which such conditions present that the work of surveying the fourteen sections was accomplished during the year. The territory is, nevertheless, one of the great possibilities, and the Board has therefore been very liberal in projecting lines for new streets and new lines for old streets. Washington street is shown at a width of 100 feet; Centre street at a width of eighty feet; Grove street at a width of sixty feet, and a new street is planned eighty feet wide, from Centre street, in continuation of Baker street, to Washington street. Baker street is itself shown on the

plan at a width of eighty feet, and the expectation is that it may ultimately be extended across to the Hyde Park boundary, thus forming a highway between Hyde Park and Newton through West Roxbury. Forty new streets are projected which shall have a width of forty feet; one, having a width of fifty feet; one (as just stated), having a width of sixty feet; and one, having a width of eighty feet. About twelve existing private ways have, besides, been utilized in the working out of the plans. A portion of these sections is quite near the Stony brook Reservation of the Park system. Considerable of the area is owned by a few persons, the individual estates within it being very large. For instance, the Samuel B. Dana property comprises 1,289,650 square feet; the Rebecca G. Richards estate, 634,000 square feet; the Henry Salmon estate, 1,040,324 square feet; the George G. North estate, nearly 1,500,000 square feet; the Mary E. Nay estate, 1,633,000 square feet; the S. A. Radcliffe estate, 392,000 square feet; and the Fred J. Stimson estate, 597,134 square feet.

Five of the seven Brighton sections which have been plotted lay along Commonwealth avenue, and the plans show streets in the Aberdeen district and through property of the West End Land Company. Plans of the two other sections exhibit streets through undeveloped territory lying between Chestnut Hill avenue and Lake street, and, also, the extension of Chestnut Hill avenue from its junction with South street toward the junction of Lake and Kenrick streets. The projected extension is at a width of sixty feet, and is crossed by several streets having a width of forty feet. In all, there are seven such streets in the two sections. In the Aberdeen district the new streets projected have of necessity been made to conform with streets actually existing. In the whole tract, which forms part of an uneven and rolling country, there are a few large possessions. There are 1,177,546 square feet in the James A. Munroe property alone; other holdings are smaller. The Ellen J. Lane property contains 196,730 square feet; that of Horace W. Baxter, 907,312 square feet; that of Rebecca Brown, 200,000 square feet; that of Sarah E. Waugh, 304,920 square feet; that of William Warren, 266,850 square feet. Smaller estates are numerous. The work done on the two sections is simply the carrying forward of that shown on the plans of the eight sections mentioned in the last report as having been filed. The importance of the tract is found in the fact that it lies so near the Commonwealth-avenue extension.

TITLES TO AFFECTED PROPERTY.

Those who represent the immense dealings in real estate which are constantly being carried on in Boston, professional conveyancers and other citizens, may be interested in this item of the work of the Survey Department, viz., that the system of research in the Registry of Deeds has been, somewhat improved. Heretofore, deeds to property within the scope of projected improvements had not always been looked up sufficiently early to be used advantageously by the surveyors. Two additional employees have now been assigned to the Registry to copy deeds in advance of any work being done by the surveyors in the field. A point is made by getting the correct names of actual owners at the precise date of each plan. Where the transference of property is constantly taking place it is at least an accommodation to those interested that the latest plans should exhibit the latest facts which the Registry of Deeds has in its keeping. During the year the department has examined 2,500 titles to property, and copied 2,064 of them, besides copying 319 plans, showing estates, etc.

ESTABLISHING TRIANGULATION POINTS.

The triangulation work of which mention was made in the report of last year, has progressed in a satisfactory manner under the direction of one surveyor; nearly one-half the working time of a surveying party has been devoted to establishing additional triangulation positions. The results anticipated have been fully realized, and that the general work of plotting has been thereby expedited is shown in the fact that the plans of sixty-five sections have been filed this year in comparison with fifty-three last year.

Still more triangulation points will be established the coming year with the expectation of yet further increasing the number of complete sections, and with a view of placing some one hundred and fifty stone monuments in position on the ground, thus determining permanently the several triangulation positions as well as accurately locating street lines. This work must be done with scrupulous care, and inasmuch as weather conditions have to be taken into account in making accurate observations it must of necessity be carried on at a great sacrifice of time. After these positions are indicated by stone monuments firmly set in a bed of concrete to a depth of at least four feet below the surface of the ground, the tops being at the surface, they will become of very valu-

able assistance to the city departments as well as to other than city surveyors, in determining street lines and making surveys for water-pipes, sewers, etc.

As a basis of all this work the initial point taken is the centre of the State House dome as determined by the United States Coast and Geodetic Survey, and the system of location by rectangular co-ordinate positions is determined with reference to a meridian line and a line at right angles thereto, both lines passing through the initial point. The entire city was then blocked into squares of 10,000 feet on a side by a series of lines parallel with the two initial lines, and these large squares are subdivided into smaller squares of 1,000 feet on each side containing 1,000,000 square feet. Hence the references in this report to numbered sections, which will be better understood perhaps upon a study of the several maps accompanying this report, showing the progress of the work in detail on which the larger squares are designated by letters of the alphabet and the smaller squares within the larger by figures.

The number of times the different positions were occupied by the surveying party having this work in charge, since July 1, 1895, is ninety-four and the number of angles taken, 7,787.

The following list gives the number of times the several stations were visited the past year and the number of angles taken at each position:—

Name of Station.	Number of times visited between Feb. 1, 1896 and Feb. 1, 1897.	Number of Angles taken between Feb. 1, 1896, and Feb. 1, 1897.
Ames Building	8	360
Blind Asylum	3	342
Blue Hill	3	354
Bussy	1	48
Cambridge City Hall	4	360
City Hospital	1	48
Huntington Ave. (A)	1	72
Mt. Bellevue	3	285
Mt. Bowdoin	1	84
Parker Hill	11	1,230
Parker Hill Reservoir	6	258
Perkins St. (Spike)	1	36
Powderhorn	6	414
Prospect, Waltham	1	126
Quincy	2	239
<i>Carried forward</i>	<i>52</i>	<i>4,256</i>

<i>Brought forward</i> . . .	52	4,256
Riverway	1	132
Savin Hill	1	114
Thomas Park	1	108
Wabon Reservoir	4	414
Wellington	2	174
Corey Hill	5	282
Totals	66	5,480

HISTORY OF THE BOSTON STANDARD OF MEASUREMENT.

The first standard for measuring by the city of Boston, of which we have any knowledge, was laid down upon the floor of the office of the City Engineer, at what was formerly known as No. 119½ Washington street, and was marked by tacks driven in the floor. This standard was fifty feet long, and was in use from 1851 to 1860. It is not known that it was established by any especially scientific method, but was understood to be carefully laid off with sufficient accuracy to serve the purposes of the time. After the removal of the City Engineer's office in 1860 to the building recently vacated by the Suffolk Registry of Deeds, a standard was established on the westerly curbstone of Pemberton square.

This standard was laid off by means of a ten-foot mahogany pole, which was carefully prepared by Mr. Temple, the well-known instrument manufacturer, and was tested by the City Engineer, who compared it with the United States brass standard, deposited with the Secretary of State, at the State House. It was marked by copper nails in three lead plugs, driven into drilled holes in the curbstone, fifty feet apart. It was tested March 5, 1864, by means of the ten-foot pole, and found to be .014 of a foot too long.

Comparison was made with a standard established by Mr. Henry W. Wilson at South Boston, and found to be .01 of a foot shorter than Mr. Wilson's.

Messrs. Shedd and Edson had a hundred-foot standard in the passageway near Pemberton square, which agreed exactly with the city standard. After the erection of the present City Hall in 1865, the standard was transferred to the granite walk in the rear of the City Hall on Court square. This new standard was marked by cross lines upon three brass bolts driven into the granite fifty feet apart, thus making a standard 100 feet long. Very early in its existence it was carefully tested with the Coast Survey base.

June 23, 1867, Mr. C. F. Baxter compared the standard in Court square with the old one in Pemberton square, and

found the new standard to be .015 of a foot shorter than the old one. For many years this standard stood undisputed, and was generally used by the surveyors of Boston. In 1878, at a meeting of the Boston Society of Civil Engineers, a member made a statement which tended to throw discredit upon the standard, and it was claimed that either the standard was never correct, or that it must have undergone a change. A very thorough testing of the standard under the direction of the City Surveyor was then undertaken. The test was very carefully made by Mr. S. C. Ellis. A comparison was made with the State standard furnished by the government, by means of a steel bar, three feet long, made by Darling & Sharpe, and tested by Prof. William A. Rogers, of the Cambridge Observatory, who was an acknowledged expert in very fine measurements. It was found that this bar agreed with the State standard at a temperature of 79 degrees Fahr.

Professor Rogers compared this steel bar with two end measure bars made by the United States Coast Survey for the Stevens Institute of Hoboken, New Jersey. These bars were marked Bar B and Bar E. Two series of tests were made at a temperature of 59.1 degrees Fahr. with the following result:—

Darling and Sharpe bar longer than Bar B at top .00512 inch.

Darling and Sharpe bar longer than Bar B at bottom .00461 inch.

Darling and Sharpe bar longer than Bar E at top .00490 inch.

Darling and Sharpe bar longer than Bar E at bottom .00423 inch.

Second series:—

Darling and Sharpe bar longer than Bar B at top .00512 inch.

Darling and Sharpe bar longer than Bar B at bottom .00460 inch.

Darling and Sharpe bar longer than Bar E at top .00478 inch.

Darling and Sharpe bar longer than Bar E at bottom .00429 inch.

Comparing these results with that obtained from the State bar test and allowing for the contraction of brass, we find that if the Stevens Institute bars were right at 60 degrees Fahr. the State bar would be right at 50 degrees Fahr. Pro-

fessor Rogers made a test of the State brass standard and stated that he found it to be correct at 50 degrees Fahr. As the temperature at which the State standard was supposed to be right was unknown, Mr. Davis wrote to Professor Hilgard asking for information.

Professor Hilgard replied that the temperature of comparison should have been certified on a card accompanying the bar, but in its absence it would be difficult to ascertain, as the bar was delivered previous to 1842, and the records prior to that time have been destroyed by fire. He stated that he considered the Troughton scale, which represents the standard to be right at nearly 60 degrees Fahr. although it was originally intended to be at 62 degrees. It would seem that the comparison with the Stevens Institute bars would more nearly represent the true standard.

The Boston standard which was found to agree with the Rogers interpretation of the Coast Survey standard has been carefully compared from time to time with a tape used solely for that purpose and there is every reason to believe that it stands to-day as nearly correct as it is possible to maintain a standard hundred feet. It has been impossible to discover any change between the highest and lowest temperatures.

The most extensive work requiring a high degree of accuracy in long measurements ever undertaken in this vicinity is the co-ordinate survey of Boston, commenced in 1891 and now in progress. In this work it has been difficult to connect lines measured on the Boston standard with the Coast Survey without a reduction of about .003 of a foot from said standard. While this may not be discovered in the methods employed in former tests of the standard, it does become apparent when that standard is multiplied a hundred times. This difference may, however, be largely accounted for by the limit of error allowed by the Coast Survey in determining secondary and tertiary positions, as there is only one primary position accessible.

THE ASSIGNMENTS OF SURVEYORS.

The geographical distribution of the work of the survey division is shown by the record of the assignments of surveying parties, which have been employed during the year as follows:—

One party, consisting of a surveyor and four assistants, was engaged on triangulation work five months; and on Plan 8, Brighton, seven months.

One party was engaged on Plan 5, Dorchester, five months; and on Plan 12, Dorchester, seven months.

One party was engaged on Plan 12, Dorchester, four months; on Plan 6, four months; on Plan 5, two months; and three men of it were engaged two months on grade work.

One party was engaged on Plan 4, Roxbury, five months; on Plan 12, Dorchester, five months; a total of ten months, the party not having been organized, until April 15.

One party was engaged on Plan 7, South Bay, five months; on Plan 13, Roxbury, seven months.

One party was engaged on triangulation work in Roxbury, South Bay and Back Bay, four months; on Plans 13, and 14, Roxbury, eight months.

One party was engaged during the entire year in the fourteen sections of West Roxbury, Plan 10.

Three levelling parties have devoted their entire time to making profiles of streets and contour maps of the various sections that the parties previously mentioned had been engaged upon.

REPRODUCTIONS OF SECTION PLANS.

The Board began to print, and did print, several one-half scale and one-quarter size reproductions of the large office plans of several of the more important sections. This was done by the photolithograph process. It was perceived that, being fac-similes and almost incapable of conveying error, they would prove of great value to all the city departments, as well as to conveyancers, surveyors and those financially interested in real estate. The large official plans are not only unwieldy but, also, they become worn with much handling and with sliding in and out of the capacious drawers necessary to contain them. The reproductions were satisfactory in every respect, excepting perhaps that of cost. All the details of the originals were perfectly shown, the smallest figures being plainly legible. But almost as soon as the work was undertaken the Board found that the expense would be larger than the appropriation justified it in incurring. It had other work on hand which it deemed more essential, and, the cost of the reproduced maps not having been included among the items of the appropriation granted the department, it became necessary to abandon this enterprise for the time being. After, however, the general work of the Survey Division has progressed further an appropriation would be warranted for printing and publishing one-quarter size reproductions of the plans of the central or

15

CITY OF BOSTON
STREET LAYING-OUT DEPARTMENT

PLAN — 4

Showing progress of work in detail.

Scale 1" = 100' or 1000'

JOHN A. WATKINS

1904

more important sections in each territory that has been or shall have been, plotted.

The nine plans are now taken separately in detail, a complete description of each being presented, and a map of each enfolded in its proper place. The text shows the per cent of all territory absorbed by all streets, old and new, and the lengths of all streets—streets and areas being figured, respectively, in feet and miles, and square feet and acres.

PLAN 4.

A second hearing was held on March 27, 1896, on territory in this plan bounded approximately by Massachusetts avenue and Shawmut avenue, Ruggles street, Rogers avenue and Huntington avenue.

A development is here shown consisting mainly of the subdivision of several large blocks in this vicinity, but principally of one large tract lying along Columbus avenue between Camden street and Walpole street, comprising a number of estates long and narrow in shape parallel with the avenue, and incapable of development except somewhat in the manner here shown, in conjunction with each other.

This arrangement of streets not only affords relief to these estates, but is a great measure of assistance as well as economy to other city departments, especially the Sewer Division and Water Department, in providing for future extensions.

Several sectional plans have been filed, among them being one showing two proposed streets projected from Columbus avenue through the grounds of the Boston Base Ball Association. That there may be no misapprehension regarding these plans, it can be stated that there is no immediate intention on the part of the Board to lay out these streets as they will be left until the future needs of the owners demand them.

Appended is a plan of the territory and a statement of the work done during the year.

Plan from actual survey of one section M 74; size 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, M 66 and M 75; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Two sectional plans of sections M 66 and M 74; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. Complete with grades. These plans were approved by the Mayor, and filed Aug. 25, 1896, with the City Engineer.

One sectional plan of section M 75; size, 4 ft by 4 ft.; scale, $\frac{1}{250}$. Complete with grades. This plan was approved by the Mayor, and filed Oct. 15, 1896, with the City Engineer.

In the territory of about 68.88 acres, covered by the above plans, there are comprised public streets:—

Number of streets	19
Length	9,450 ft. 1.79 miles
Area	539,590 sq. ft. 12.38 acres

New streets established, private streets adopted, and public streets proposed to be widened, under chapter 323 of the Acts of 1891:—

Number of streets	20
Length	7,340 ft. 1.39 miles
Area	309,750 sq. ft. 7.11 acres

Totals:

Number of streets	39
Length	16,790 ft. 3.20 miles
Area	849,340 sq. ft. 19.50 acres

Percentage of above territory absorbed by all streets, old and new, 28 per cent.

Plan showing territory comprising sections M 55, M 66, M 74 and M 75, and portions of sections M 65, M 67, M 73, M 76, M 85, M 86 and M 87; size, 6 ft. by 5 ft.; scale, $\frac{1}{1000}$. (In progress.)

Plans and profiles completed showing grades of—

Tremont street, from Camden street to Burke street.

Grinnell street, from Columbus avenue to Walpole street.

Grade plans of sections (three sections, M 66, M 74, and M 75, completed); scale, $\frac{1}{1000}$.

In connection with the sectional and other plans enumerated above, completed and in progress, the following work has been done:—

Number of titles looked up	199
Number of conveyances copied	175
Number of plans copied from Suffolk Registry and elsewhere	35



CITY OF BOSTON
STREET LAYING-OUT
DEPARTMENT.

PLAN-5

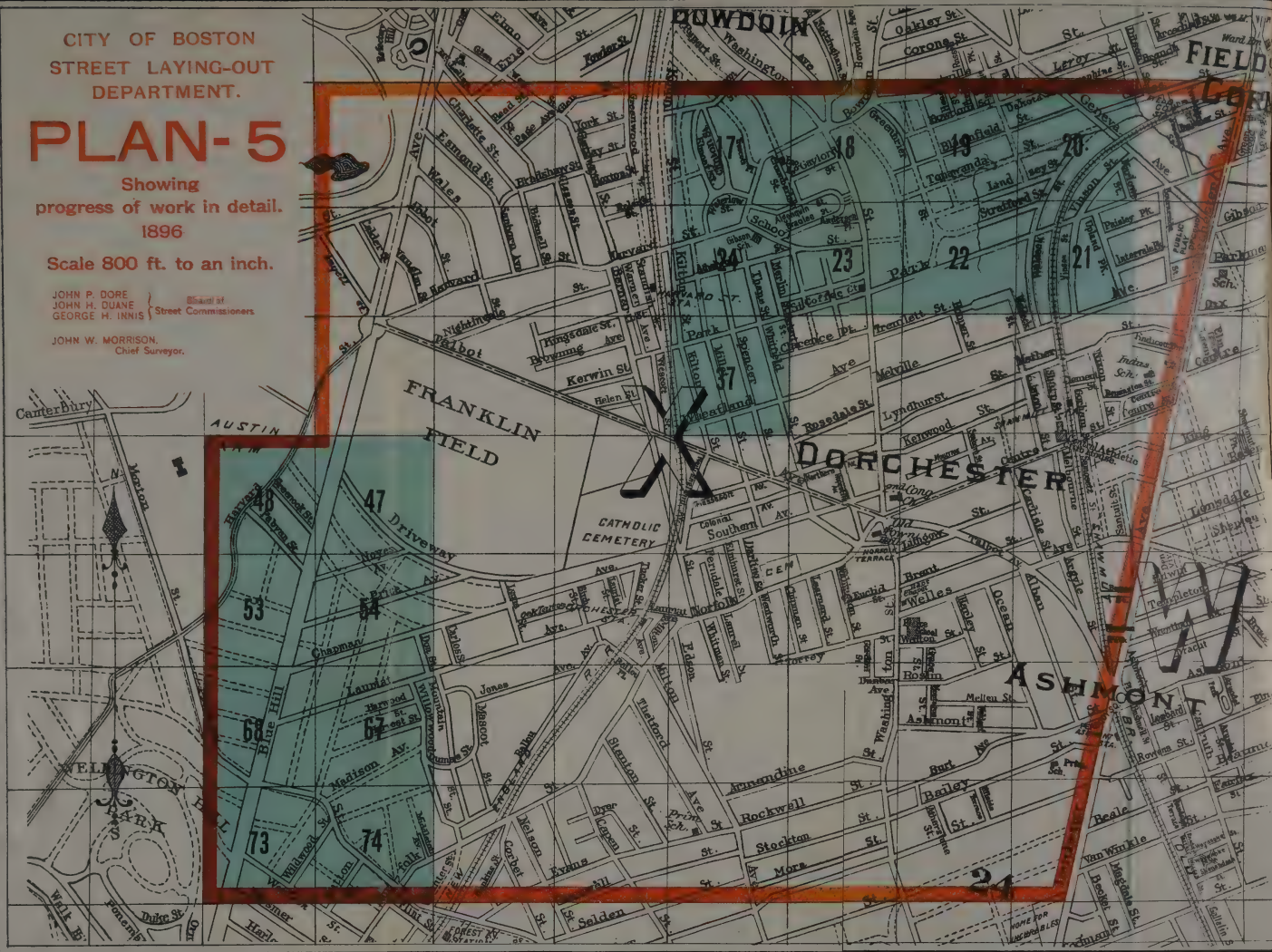
Showing
progress of work in detail.
1896

Scale 800 ft. to an inch.

JOHN P. DORE
JOHN H. DUANE
GEORGE H. INNIS

Board of
Street Commissioners

JOHN W. MORRISON,
Chief Surveyor.



PLAN 5.

No second hearing was held on this plan during the year, but a large amount of work was done in territory in the westerly portion, in the vicinity of Blue Hill avenue, completing studies proposed last year. This system which is adapted to the formation of Franklin field is a projection of streets parallel with the southerly boundary of the latter with the proper number of cross intersecting streets parallel with Blue Hill avenue, and supercedes a development proposed a number of years ago. This earlier provision was considered a somewhat faulty one with its widely separated streets, necessitating a division into lots of too great a depth.

Later the location of Franklin field introduced a conflicting factor to this development, too great to admit of adjustment. Hence new studies became necessary, and new streets symmetrical with the surroundings and with the proper depth for lots have been made. A number of sectional plans were filed during the year.

Several hearings will soon be given on territory adjoining that on which plans have been filed and also on territory lying north of Talbot avenue and west of Harvard street station on the New England Railroad.

Appended is a plan of the territory and a statement of the work done during the year:—

Plan from actual survey of one section, X 47; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, X 54; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, X 67; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, X 48 and X 53; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Three sectional plans of Sections X 47, X 48, and X 53; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed July 3, 1896, with the City Engineer.

Two sectional plans of Sections X 54 and X 67; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Aug. 25, 1896, with the City Engineer.

In this territory of about 114.88 acres, covered by the above sectional plans there are comprised:—

Public streets:

Number of streets	3
Length	5,000 ft. 0.95 mile
Area	293,500 sq. ft. 6.72 acres

New streets established, private streets adopted, and public streets proposed to be widened under chapter 323 of the Acts of 1891.

Number of streets	19
Length	15,155 ft. 2.87 miles
Area	507,860 sq. ft. 11.66 acres

Totals:

Number of streets	21
Length	19,255 ft. 3.64 miles
Area	801,360 sq. ft. 18.40 acres

Percentage of above territory, absorbed by all streets, old and new, 16 %. This percentage is exclusive of parks and public grounds.

Plans and profiles completed, showing grades of:—

Harvard street, from Blue Hill avenue to Morton street.

Street No. 954, from Blue Hill avenue to 8,000 feet west of State House.

Carlos street, from Lauriat avenue to Chapman avenue.

Fabyan street, from Blue Hill avenue to Harvard street.

Greenock street, from Blue Hill avenue to Harvard street.

Street No. 1079, from Harvard street to Street No. 933.

Street No. 1081, from Blue Hill avenue to Harvard street.

Street No. 1084, from Fabyan street to Street No. 1081.

Street No. 1182, from Blue Hill avenue to Chapman avenue.

Street No. 1183, from Blue Hill avenue to Don street.

Street No. 1181, from Blue Hill avenue to Lyons street.

Street No. 1184, from Blue Hill avenue to Harvard street.

Street No. 1185, from Lauriat avenue to Street No. 1183.

Harwood street, from Willowood street to Street No. 950.



STREET LAYING-OUT DEPARTMENT.
CITY OF BOSTON.

PLAN — 6

Showing progress of work in detail.

1888

Scale 500 ft. to an inch.

George H. Walker & Co. Lith. Boston.

JOHN W. MORRISON
Chief Surveyor.



Harvest street, from Willowwood street to Street No. 950.

Lyons street, from Lauriat avenue to Chapman avenue.

Contour plan, showing contours at every foot, of Sections X 47, X 48, X 52, X 53, X 54, X 67, X 68, X 69; size, 8 ft. by 5 ft.; scale, 40 feet to an inch.

Grade plans of sections (five sections, X 47, X 48, X 53, X 54 and X 67 complete). Scale, $\frac{1}{1000}$.

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	72
Number of conveyances copied	81
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	10

PLAN 6.

A second hearing was held on Aug. 14, 1896, on a number of sections located partly in this plan and partly in plan adjoining Plan 12; bounded approximately by Blue Hill avenue, the Hyde Park line, Harvard street and Walk Hill street. The force detailed last year upon a topographical survey of this district was continued upon it through the early part of the present year, and extensive studies have been made upon a system for streets which would be satisfactory to the owners of the large tracts of land and to the city; an extremely difficult task under the most favorable conditions.

A partial development of a portion of this district into streets upon which lots had been sold and a number of houses built, decidedly increased the difficulty in arriving at satisfactory results.

A street 60 feet wide has been extended from the junction of Harvard street and Oakland street across the territory to the junction of Harvard street and Walk Hill street, forming a direct thoroughfare between these points. Another street of the same width (60 feet), starting from the junction of the above-mentioned new street with Harvard street and Oakland street, bisects the territory nearly diagonally.

These two streets with one other 60-foot street traversing the territory in a northerly and southerly direction and uniting with Tileston avenue, constitute the main features of the system.

The elimination of the grade crossing of the New England Railroad at Blue Hill avenue would permit a more satisfactory development in the projection of the thoroughfare of either section across the avenue, making a complete unit of the two, a result not possible under present conditions.

A number of plans showing the result of the studies in this vicinity have been filed during the year, only one of which, however, falls within the boundaries of Plan 6.

The work is to be rapidly continued, and it is expected that many of these plans will be filed during the year.

Appended is a plan of the territory, showing the location of plans filed and a statement of the work done during the year: —

Plan from actual survey of two sections, X 88 and X 89; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, Ee 18; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, Ee 19; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, X 90; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, X 91 and X 92; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, Ee 9 and Ee 10; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan of territory comprising sections, X 90, X 91 and X 92, Ee 9, Ee 11, Ee 12; size, 5 ft. by 5 ft.; scale, $\frac{1}{1000}$. (In progress.)

One sectional plan of Section, X 88; size, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor and filed Jan. 21, 1897, with the City Engineer.

In this territory of about 22.96 acres there are comprised

Public streets:

Number of streets	4
Length	1,960 ft. 0.37 mile
Area	155,200 sq. ft. 3.56 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891: —

Number of streets	5
Length	1,940 ft. 0.37 mile
Area	72,500 sq. ft. 1.66 acres



CITY OF BOSTON
STREET LAYING-OUT
DEPARTMENT.

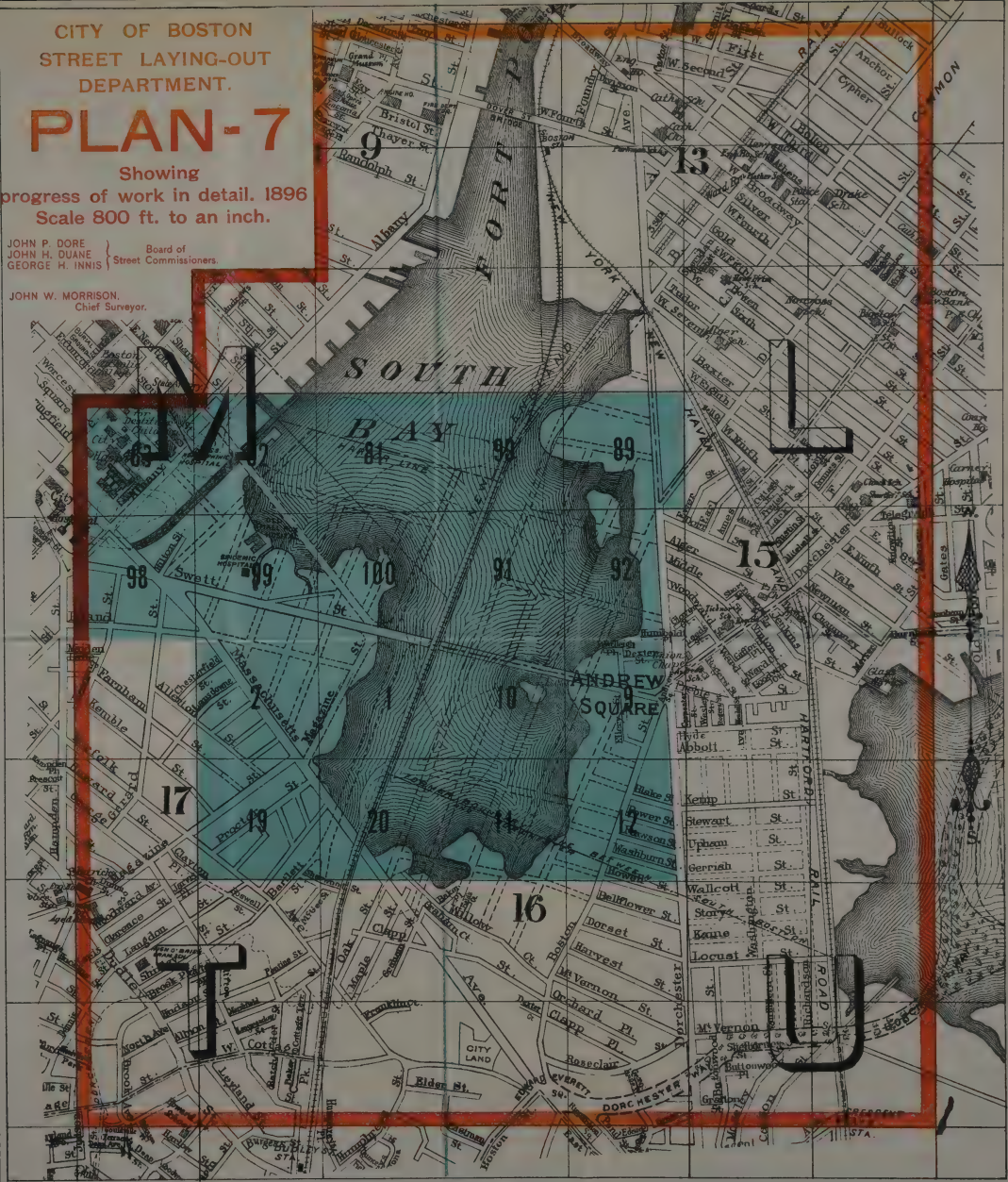
PLAN-7

Showing
progress of work in detail. 1896
Scale 800 ft. to an inch.

JOHN P. DORE
JOHN H. DUANE
GEORGE H. INNIS

Board of
Street Commissioners.

JOHN W. MORRISON,
Chief Surveyor.



Totals:

Number of streets	8
Length	3,760 ft. 0.71 mile
Area	227,700 sq. ft. 5.23 acres

Percentage of above area absorbed by all streets, old and new
 $22\frac{8}{10}$ per cent.

Plans and profiles completed showing grades of:—

River street, from Oakland street to Hyde Park line.
 Street No. 1277, from Street No. 1265 to Street No.
 1274.

Grade plans of Section X 88 (completed); scale, $\frac{1}{1000}$.

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	116
Number of conveyances copied	74
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	30

PLAN 7.

A second hearing was held on April 24, 1896, on territory in this plan, bounded approximately by Hampden street, Island street, Massachusetts avenue, Boston street and Dudley street.

The work done during the year has been confined to the territory lying immediately north and east of this district, and a number of sectional plans were filed, showing a location of lines for future thoroughfares.

Appended is a plan of the territory showing the location of the plans filed, and a statement of the work done during the year:—

Plan from actual survey of two sections, U 11 and U 12; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, U 9 and U 10; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, T 1 and T 2; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey; from one section, T 20; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, T 3 and T 18; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, T 21; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, U 31; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan of territory covering sections L 89, L 90, L 91, L 92, M 81, M 82, M 83, M 98, M 99, M 100, T 1, T 2, T 3, T 20, T 21, U 9, U 10, U 11, U 12, U 29, U 30, U 31 and U 32; size, 8 ft. by 5 ft.; scale, $\frac{1}{1000}$.

Four sectional plans of sections U 9, U 10 U 12, and T 20; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.)

These plans were approved by the Mayor and filed July 3, 1896, with the City Engineer.

In the territory of about 82.69 acres covered by the above sectional plans there are comprised:—

Public streets :

Number of streets	.	.	.	.	.	10
Length	.	.	.	5,520 ft.		1.05 miles
Area	.	.	.	290,250 sq. ft.		6.66 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	.	.	.	.	.	15
Length	.	.	.	11,550 ft.		2.19 miles
Area	.	.	.	657,540 sq. ft.		15.10 acres

Totals :

Number of streets	.	.	.	.	.	22
Length	.	.	.	16,860 ft.		3.19 miles
Area	.	.	.	947,790 sq. ft.		21.76 acres

Percentage of above area absorbed by all streets, old and new, 26 per cent.

Plans and profiles completed, showing grades of

Power street, from Dorchester avenue to Boston street.

Blake street, from Dorchester avenue to Boston street.

Grade plan of sections (U 9, U 11, U 12 and T 20 completed); scale, $\frac{1}{1000}$.

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	.	.	.	.	.	116
Number of conveyances copied	.	.	.	.	.	74
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	.	.	.	.	.	30





PLAN 8.

One second hearing was held on this plan on territory bounded approximately by Chestnut Hill avenue and Commonwealth avenue, Lake street and Washington street.

Numerous studies have been made for the development of this territory which, on account of the great irregularity of its natural features make the treatment a difficult one to successfully accomplish. A number of small courts and places which had been previously introduced from time to time to make accessible some of the interior parts of this district, only added to the difficulty, as it was deemed inadvisable to disturb these ways on account of the buildings which had been built upon them, and it thus became necessary to adjust a new system to the partially existing one.

A result has been obtained which it is believed will be considered a satisfactory one.

A large amount of field work has been done in the territory immediately adjoining this one upon the hillside sloping northerly towards Chandler's and Strong's ponds; and also upon Nonantum Hill, on the opposite side of Kenrick street. Hearings will shortly be held on a system of streets for these territories.

A number of sectional plans of previously exhibited work have been filed during the year, offering material aid to the Sewer Division in the extension of its lines in this vicinity.

Appended is a plan of the territory showing the location of the plans filed, and a statement of the work done during the year:—

Plan from actual survey of three sections, N 51 O, 59 and O 60; size, 13 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of three sections, O 61, O 62 and O 63; size, 13 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, O 64 and O 65; size, 9 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, O 77 and O 78; size, 9 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, N 5 and N 6; size, 9 ft. by 5 ft.; scale $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 1 and N 10; size, 9 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 35 and O 36; size, 9 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 44 and O 45; size, 9 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 55 and O 56 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plans from actual survey of two sections, O 68 and O 69 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 17 and O 18 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 46 and O 47 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 53 and O 54 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

One sectional plan of Section O 59 ; size, 4 ft. by 4 ft. ; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed Aug. 25, 1896, with the City Engineer.

Four sectional plans of Sections O 62, O 63, O 64, and O 78 ; size of each 4 ft. by 4 ft. ; scale $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed Oct. 15, 1896, with the City Engineer.

One sectional plan of Section O 54 ; size, 4 ft. by 4 ft. ; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed Jan. 21, 1897, with the City Engineer.

One sectional plan of Section O 55 ; size, 4 ft. by 4 ft. ; scale $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed Jan. 30, 1897, with the City Engineer.

In this territory of about 137.64 acres covered by the above plans, there are comprised : —

Public streets :

Number of streets	.	.	.	.	.	7
Length	.	.	.	.	8,860 ft.	1.68 miles
Area	.	.	.	.	1,414,900 sq. ft.	32.48 acres

New streets established, private streets adopted, and public streets proposed to be widened under chapter 323 of the Acts of 1891 : —

Number of streets	.	.	.	.	.	26
Length	.	.	.	.	17,340 ft.	3.28 miles
Area	.	.	.	.	657,825 sq. ft.	15.10 acres

Totals :

Number of streets	.	.	.	.	.	33
Length	.	.	.	.	26,200 ft.	4.96 miles
Area	.	.	.	.	2,072,725 sq. ft.	47.58 acres

PLAN-10

1896

JOHN P. DORE }
JOHN H. DUANE } Board of
GEORGE H. INNIS } Street Commissioners.

JOHN W. MORRISON,
Chief Surveyor.

JOHN W. MORRISON,
Chief Surveyor.

Percentage of area of above territory absorbed by all streets, old and new, 34.57 per cent.

Plans and profiles completed showing grades of—

Fenwick road, from Chiswick road to Strathmore road.

Sidlaw road, from Chiswick road to Commonwealth avenue.

Kinross road, from Sutherland road to Commonwealth avenue.

Lanark road, from Kinross road to Brookline line.

Street No. 866, from Commonwealth avenue to street No. 867.

Street No. 867, from Commonwealth avenue to Washington street.

Street No. 868, from Cummings road to Street No. 867.

Street No. 869, from Corey road to Street No. 868.

Street No. 871, from Corey road to Street No. 867.

Glendon avenue, from Commonwealth avenue to Lanark road.

Windsor road, from Lanark road to Kilsyth road.

Selkirk road, from Chiswick road to Kilsyth road.

Street No. 1044, from Chestnut Hill avenue to Foster street.

Street No. 1046, from Chestnut Hill avenue extension to Street No. 1048.

Street No. 1175, from Foster street to Street No. 1148.

Orkney road, from Strathmore road to Ayr road.

Grade plans of sections (seven sections — O 54, O 55, O 59, O 62, O 63, O 64 and O 78, completed); scale $\frac{1}{1000}$.

Contour plans, showing contours at every foot, of Sections O 35, O 45, O 46, O 55, O 56, O 65 and O 66, showing territory bounded by Foster street, Mt. Vernon street, Chestnut Hill avenue and Chestnut Hill avenue extension; size, 6 ft. by 5 ft.; scale 40 ft. to an inch. (Complete.)

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	70
Number of conveyances copied	69
Number of plans copied from Suffolk and Norfolk Registries, and elsewhere	18

PLAN 10.

A second hearing was held on Sept. 4, 1896, on sections in this territory; bounded approximately by Centre street, Grove street, the Dedham line, the West Roxbury Branch of the New York, New Haven and Hartford Rail-

road, Baker street and Spring street. Numerous topographical surveys became necessary in prosecuting this work on account of the irregularity of the land, and a large number of studies have been made for development of the district.

A system is here shown of the proposed streets and thoroughfares, all possessed of fairly easy gradients.

The principal features of the system as here shown are the continuance of the sixty feet widening of Grove street to the Hyde Park line; another section of the proposed widening of Washington street to 100 feet as far as the Dedham town line; and also the proposed widening of Centre street to eighty feet for the remaining distance in Boston. Stimson street, from Centre street easterly towards Germantown, it is proposed to make fifty feet wide; while from Centre street it has been projected westerly over the tracks of the West Roxbury Branch Railroad at a width of forty feet, to the proposed new street parallel with Belle avenue. Another street, North avenue, which will be of great future use and convenience to the public, has been projected from a point near the junction of Grove street and Centre street across the railroad to Belle avenue, connecting there with Billings street and forming with that street a thoroughfare from Centre street to a point on Spring street not far from Charles river.

The proximity of a portion of this territory, particularly that west of the railroad, to Charles river, lying scarcely above the high water level of that stream and at times overflowed by it brings into the consideration for the treatment the question of drainage, the importance of which cannot be overlooked or provision for postponed until satisfactory adjustment is impossible. The fact that this territory lies so very low precludes the possibility of depressing any street which may be designed to be extended across the railroad, and a street to cross the railroad must go over it or not at all. Unless provision is made for some crossing there will be no way of communicating with the two districts in Boston, lying either side of the track, between Baker street near Spring street station and the Dedham line, a distance of nearly a mile, except by a very round about way. The importance and necessity of some crossings can readily be seen, and these two streets have been selected with that view.

Quite a large number of plans were filed in this territory during the year. The same force will continue in the field as during the past two years, and it is hoped there will be no interruption in the work.

Appended is a plan of the territory, showing the location of the plans filed and a statement of the work done during the year:—

Plan from actual survey of one section Z 87 ; size 5 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections Z 94 and Cc 7 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of three sections Cc 14, Cc 27 and Cc 34 ; size, 13 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, Cc 26 and Cc 35 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, Cc 28 and Cc 33 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of three sections, Cc 48, Cc 53, and Cc 68 ; size, 13 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, Cc 74 ; size, 5 ft. by 5 ft. ; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, Cc 45 ; size, 5 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, Cc 46 and Cc 55 ; size, 9 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, Cc 37 ; size, 5 ft. by 5 ft. ; scale, $\frac{1}{250}$. (In progress.)

One sectional plan of Section Cc 26 ; size 4 ft. by 4 ft. ; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor and filed July 3, 1896, with the City Engineer.

Three sectional plans of Sections Cc 27, Cc 34 and Cc 35 ; size of each, 4 ft. by 4 ft. ; scale $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Aug. 25, 1896, with the City Engineer.

Four sectional plans of Sections Z 87, Z 94, Cc 7 and Cc 14 ; size of each, 4 ft. by 4 ft. ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Oct. 15, 1896, with the City Engineer.

One sectional plan of Section Cc 68 ; size, 4 ft. by 4 ft. ; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor and filed Dec. 28, 1896, with the City Engineer.

Five sectional plans of Sections Cc 28, Cc 33, Cc 48, Cc 53 and Cc 74 ; size of each, 4 ft. by 4 ft. ; scale $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Jan. 30, 1897, with the City Engineer.

In this territory of about 275.52 acres covered by the above plans there are comprised:—

Public streets:

Number of streets	13
Length	12,780 ft. 2.42 miles
Area	550,700 sq. ft. 12.64 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891.

Number of streets	77
Length	56,520 ft. 10.71 miles
Area	2,298,900 sq. ft. 52.78 acres

Totals:

Number of streets	86
Length	60,020 ft. 11.37 miles
Area	2,849,600 sq. ft. 65.42 acres

Percentage of above area absorbed by all streets, old and new 24 per cent.

Plans and profiles completed showing grades of—

Elgin street, from Centre street to West Roxbury Branch Railroad.

Lorette street, from Centre street to West Roxbury Branch Railroad.

Hillcrest street, from Spring street to Elgin street.

Alaric street from Centre street to Street No. 764.

Spring street, from Centre street to Charles street.

La Grange street, from Mt. Vernon street to West Roxbury Branch Railroad.

Ashland street, from Summer street to Street No. 762.

Johnson street, from Baker street to bend.

Baker street, from Centre street to Spring street.

Elmwood street, from Baker street to Street No. 1308.

George street, from Billings street to Street No. 1305.

Stimson street, from Centre street to West Roxbury Branch Railroad.

Billings street, from Centre street to West Roxbury Branch Railroad.

Centre street, from La Grange street to Mt. Vernon street.

- Centre street, from Stimson street to Dedham line.
Landseer street, from Grove street to Street No. 608.
Grove street, from Washington street to Centre street.
Street No. 611, from Baker street to 25,000 feet west of State House.
Street No. 612, from Baker street to Street No. 616.
Street No. 613, from Street No. 616 to Street No. 612.
Street No. 616, from Baker street to Grove street.
Street No. 691, from Centre street to Street No. 692.
Street No. 734, from Centre street to Street No. 616.
Street No. 735, from Grove street to Stimson street.
Street No. 736, from Street No. 616 to Street No. 735.
Street No. 737, from Grove street to Street No. 736.
Street No. 738, from Grove street to Street No. 616.
Street No. 739, from Street No. 737 to Street No. 738.
Street No. 740, from Street No. 616 to 25,000 feet west of State House.
Street No. 741, from Baker street to Street No. 616.
Street No. 742, from Baker street to Street No. 616.
Street No. 743, from Street No. 740 to 25,000 feet west of State House.
Street No. 744, from Street No. 740 to 34,000 feet south of State House.
Street No. 745, from Grove street to 34,000 feet south of State House.
Street No. 749, from Grove street to Street No. 737.
Street No. 751, from Centre street to 34,000 feet south of State House.
Street No. 752, from Centre street to George street.
Street No. 756, from Centre street to Elmwood street.
Street No. 757, from Centre street to George street.
North avenue, from Centre street to West Roxbury Branch Railroad.
Street No. 759, from Centre street to Street No. 760.
Street No. 760, from Cass street to Baker street.
Street No. 761, from Centre street to Street No. 760.
Street No. 762, from Centre street to Oak street.
Street No. 763, from Spring street to Hillcrest street.
Street No. 764, from Spring street to Autumn street.
Street No. 765, from Cass street to Street No. 762.
West Roxbury Branch Railroad, from Roslindale to Dedham line.
Temple street, from Centre street to 27,000 feet west of State House.
Summer street, from Autumn street to Cass street.
Street No. 1299, from North avenue to Street No. 1305.

Street No. 1301, from Elmwood street to Street No. 1299.
 Street No. 1302, from Street No. 778 to Street No. 1299.
 Street No. 1303, from Stimson street to Street No. 752.
 Belle avenue, from Spring street to Street No. 1320.
 Street No. 1305, from Centre street to Dedham line.
 Street No. 1306, from Centre street to Dedham line.
 Street No. 1308, from Elmwood street to Street No. 1299.
 Street No. 1312, from Rockland street to Dedham line.
 Gould street, from Belle avenue to Hamilton street.
 Centre street, from Mt. Vernon street to Park street.

(Plan 11)

South street, from Fairview street to West Roxbury
 Branch Railroad. (Plan 11.)

Grade plan of sections (14 sections, Z 87, Z 94, Cc 7,
 Cc 14, Cc 26, Cc 27, Cc 28, Cc 33, Cc 34, Cc 35, Cc 48,
 Cc 53, Cc 68 and Cc 74 completed); scale, $\frac{1}{1000}$.

Contour plans showing contours at every foot of Sections
 Cc 13, Cc 14, Cc 27, Cc 28, Cc 32, Cc 33, Cc 48 and Cc 49 ;
 showing territory bounded by Baker street, Centre street,
 Stimson street and West Roxbury Branch Railroad; size,
 10 ft. by 3 ft.; scale, 40 ft. to an inch. (Complete.)

Contour plans showing contours at every foot of Sections
 Cc 48, Cc 49, Cc 52 and Cc 53; showing territory bounded
 by Stimson street, West Roxbury Branch Railroad, Dedham
 line, and Centre street size 4 ft. by 3 ft.; scale, 40 ft. to an
 inch. (Complete.)

Contour plans showing contours at every foot of Sections
 Cc 27, Cc 34, Cc 35, Cc 46, Cc 47, Cc 48, Cc 54 and Cc
 55; showing territory bounded by Centre street, Grove
 street, Washington street and Stimson street; size 8 ft. by
 5 ft.; scale, 40 ft. to an inch. (Complete.)

Contour plan showing contours at every foot of Sections
 Cc 53, Cc 54, Cc 67 and Cc 68, showing territory bounded
 by Centre street, Stimson street, Washington street and
 Dedham line; size 3 ft. by 5 ft.; scale, 40 ft. to an inch.
 (In progress.)

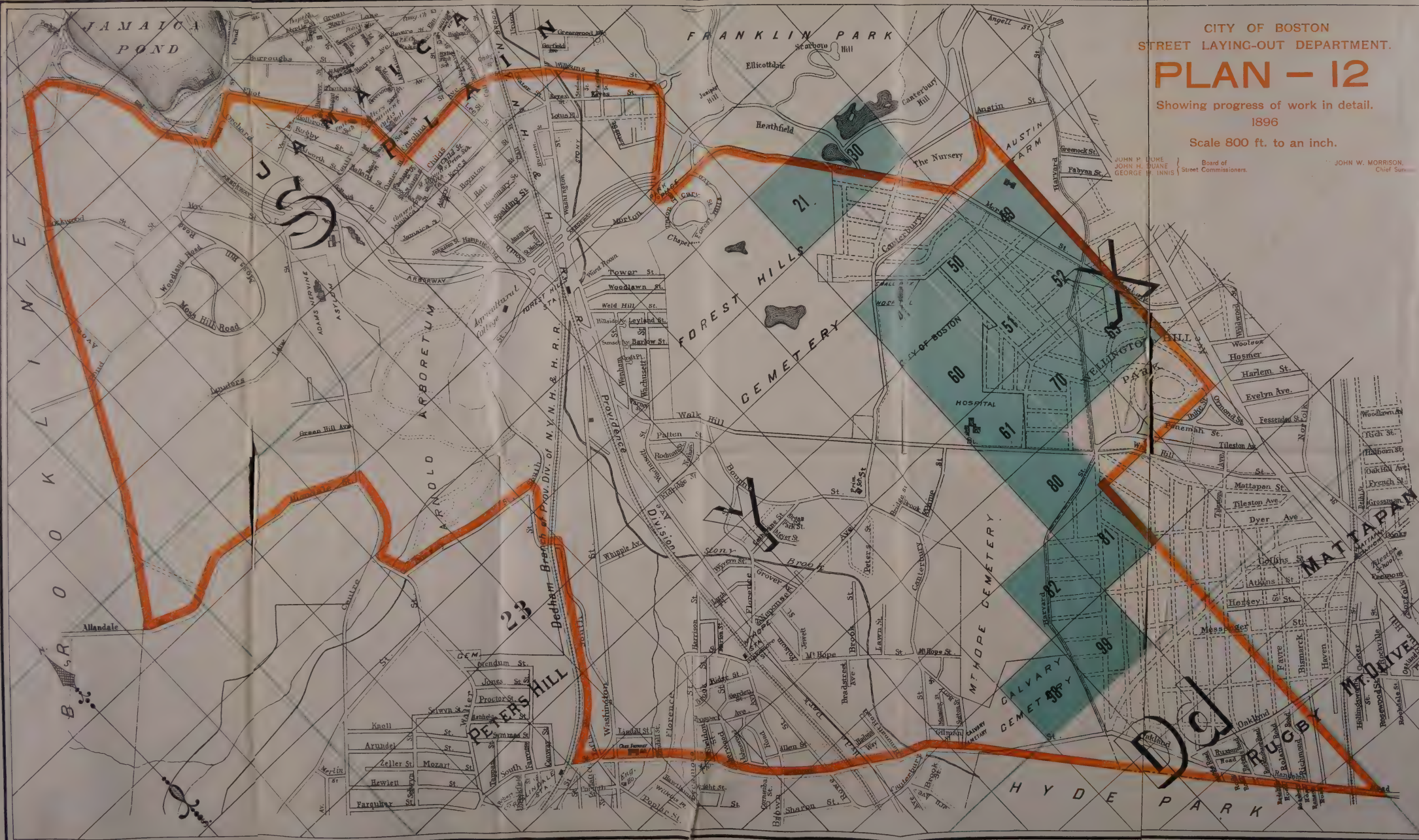
Contour plan showing contours at every foot of Sections
 Cc 8, Cc 9, Cc 10, Cc 11, Cc 12, Cc 13, Cc 28, Cc 29, Cc
 30, Cc 31, Cc 32, Cc 33, Cc 49 and Cc 50; size, 7 ft. by
 5 ft.; scale, 40 ft. to an inch. (In progress.)

In connection with the sectional and other plans enumer-
 ated above, the following work has been done:—

Number of titles looked up	312
Number of conveyances copied	331
Number of plans copied from Suffolk and Norfolk Reg- istries and elsewhere	31

PLAN - 12

JOHN P. LORE	}	Board of Street Commissioners.
JOHN H. DUANE		
GEORGE W. INNIS		

JOHN W. MORRISON,
Chief Surgeon

PLAN 12.

A second hearing was held on Aug. 14, 1896, on the territory bounded approximately by Harvard street, Walk Hill street, Blue Hill avenue, and the Hyde Park town line.

The work done in this territory has been previously referred to under Plan 6, a number of the plans showing the completed work along Harvard street having been filed. The remainder of the work is well under way and as has been stated it is expected that quite a number of the plans will be filed before the closing of another year.

This work, however, constitutes but a small proportion of what has been done under Plan 12.

The work on the new system of streets, projected last year in the rear of the Pierce Farm, across the meadows to Morton street to the summit of Wellington Hill and also north-west of Canterbury street to Forest Hills Cemetery has rapidly progressed, and during the year many of the plans were filed, while many more are reaching a state of completion.

A desirable feature of the system here delineated is the arrangement of streets placed upon each of the remaining boundaries of the Pierce Farm, so that it is almost entirely surrounded by streets, thus permitting no abutters to the grounds of the institution except by one small portion of the estate of Forest Hills Cemetery.

It is proposed to extend a 60-foot street from Canterbury street at the angle near the Small Pox Hospital to the entrance to Franklin Park on Morton street.

Before the end of the year this entire section will doubtless have been covered by the filed plans. During the latter part of the year quite a force was engaged in the field upon a topographical survey of the territory lying opposite Forest Hills Cemetery, from the southerly side of Walk Hill street to Stony brook and westerly as far as Hyde Park avenue.

Studies have been made and an arrangement for streets has been adopted for a large portion. Several plans of streets for approval have been submitted, which not conflicting with the work were found satisfactory and construction will doubtless follow.

It is to be hoped that the remainder of the system will be sufficiently completed to give a second hearing at an early date.

Appended is a plan of the territory showing the location of the plans filed, and a statement of the work done during the year:—

Plan from actual survey of one section X 30; size, 5 ft. by 5 ft.; scale, $\frac{1}{2500}$. (Complete.)

Plan from actual survey of two sections X 50 and X 51; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section Y 21; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section X 52; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section X 69; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section X 70; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, Y 41 and Y 60; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, Y 61 and Y 80; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, Y 81 and Y 82; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of three sections, Y 98, Y 99, and Y 100; size, 13 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, X 31 and Y 40; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, X 32; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, X 71; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, X 72; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of three sections, Dd 1, Dd 2, and Dd 3; size, 13 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan of territory showing sections Y 81, Y 82, Y 98, Y 99, Y 100, Dd 1, Dd 2, Dd 3, Dd 18, Dd 19, Dd 20; size, 6 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Two sectional plans of Sections X 49 and X 52; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed July 3, 1896, with the City Engineer.

One sectional plan of Section X 69; size, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed Aug. 25, 1896, with the City Engineer.

Five sectional plans of Sections X 50, X 51, X 60, Y 61, and Y 70; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed Dec. 28, 1896, with the City Engineer.

Four sectional plans of Sections Y 80, Y 82, Y 98, and Y 99; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete

with grades.) These plans were approved by the Mayor, and filed Jan. 21, 1897, with the City Engineer.

Four sectional plans of Sections X 30, Y 21, Y 41, and Y 81; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{2} \frac{1}{50}$. (Complete with grades.) These plans were approved by the Mayor, and filed Jan. 30, 1897, with the City Engineer.

In this territory of about 367.36 acres, covered by the above sectional plans, there are comprised:—

Public streets:—

Number of streets	.	.	.	.	.	4
Length	.	.	.	.	9,500 ft.	1.80 miles
Area	.	.	.	.	328,500 sq. ft.	7.54 acres

New streets established, private streets adopted, and public streets proposed to be widened, under chapter 323 of the Acts of 1891:—

Number of streets	.	.	.	.	.	50
Length	.	.	.	.	45,040 ft.	8.53 miles
Area	.	.	.	.	1,770,250 sq. ft.	40.64 acres

Totals:

Number of streets	.	.	.	.	.	50
Length	.	.	.	.	48,430 ft.	9.17 miles
Area	.	.	.	.	2,098,750 sq. ft.	48.18 acres

Percentage of above territory not including parks and public grounds, absorbed by all streets, old and new 22.3 per cent.

One sectional plan of Section Y 100; size, 4 ft. by 4 ft.; scale, $\frac{1}{2} \frac{1}{50}$. (In progress.)

In this territory of about 22.96 acres covered by the above plan there are comprised:—

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	.	.	.	.	.	9
Length	.	.	.	.	5,665 ft.	1.07 miles
Area	.	.	.	.	228,600 sq. ft.	5.25 acres

Totals:

Number of streets	.	.	.	.	.	9
Length	.	.	.	.	5,665 ft.	1.07 miles
Area	.	.	.	.	228,600 sq. ft.	5.25 acres

Percentage of above territory absorbed by all streets, old and new, 22.8 per cent.

Plans and profiles completed, showing grades of —

Morton street, from Canterbury street westerly.

Street No. 905, from Morton street to 10,000 ft. west of State House.

Street No. 906, from Morton street to Street No. 916.

Street No. 907, from Harvard street to Forest Hills Cemetery.

Street No. 908, from Street No. 907 to Street No. 911.

Street No. 909, from Street No. 906 to Street No. 908.

Street No. 911, from Street No. 908 to Street No. 914.

Street No. 912, from Street No. 907 to Street No. 911.

Street No. 913, from Harvard street to Street No. 1083.

Street No. 914, from Walk Hill street to Morton street.

Street No. 915, from Harvard street to Street No. 914.

Street No. 916, from Street No. 905 to Street No. 1054.

Canterbury street, from Walk Hill street to Paine street.

Harvard street, from Oakland street to north of Walk Hill street.

Street No. 933, from Lauriat avenue to Street No. 1183.

Walk Hill street, from Harvard street to Hyde Park avenue.

Street No. 991, from Walk Hill street to Street No. 916.

West Roxbury Branch Railroad, from Bussey bridge to Roslindale station.

Street No. 1078, from Street No. 905 to Street No. 913.

Street No. 1082, from Street No. 914 to Street No. 991.

Street No. 1083, from Street No. 991 to Street No. 1151.

Street No. 1092, from Ormond street to Street No. 1080.

Street No. 1139, from Street No. 914 to Street No. 991.

Street No. 1151, from Street No. 916 to Street No. 1083.

Street No. 1153, from Street No. 905 to Street No. 1164.

Street No. 1154, from Street No. 907 to Street No. 1164.

Street No. 1155, from Canterbury street to Morton street.

Street No. 1163, from Street No. 907 to 24,000 ft., south of State House.

Street No. 1164, from Street No. 1153 to Street No. 1163.

Street No. 1265, from Oakland street to Walk Hill street.

Street No. 1274, from Street No. 1275 to Street No. 1284.

Street No. 1278, from Street No. 1260 to Street No. 1277.

Street No. 1279, from Street No. 1260 to Street No. 1277.

Street No. 1280, from Harvard street to Street No. 1281.

Street No. 1281, from Harvard street to Street No. 1265.

Street No. 1282, from Harvard street to Street No. 1265.

Street No. 1283, from Harvard street to Street No. 1265.

Street No. 1284, from Harvard street to 10,000 feet west of State House

Street No. 1285, from Harvard street to Street No. 1265.

Street No. 1286, from Harvard street to Street No. 1265.

Street No. 1287, from Harvard street to Street No. 1265.

Street No. 1288, from Harvard street to Street No. 1265.

Street No. 1289, from Harvard street to Street No. 1279.

Street No. 1379, from Canterbury street to Street No. 1154.

Paine street, from Walk Hill street to Canterbury street.

Street No. 1398, from Street No. 916 to Street No. 1083.

Grade plans of sections (X 30, Y 21, parts of X 49, X 50, X 51, X 52, X 69, X 70, Y 40, Y 60, Y 61, Y 80, Y 81, Y 82, Y 98 and Y 99 completed;) scale, $\frac{1}{1000}$.

Contour plans showing contours at every foot of Sections X 30, X 31, Y 21, and Y 40; showing territory bounded by Morton street, Forest Hills Cemetery, and Canterbury street; size, 4 feet by 5 feet; scale, 40 feet to an inch. (Complete.)

Contour plans showing contours at every foot of Sections X 31, X 32, X 49, X 50, Y 40 and Y 41; showing territory bounded by Morton street, Canterbury street, and Pierce Farm; size, 2 feet by 5 feet; scale, 40 feet to an inch. (Complete.)

Contour plans showing contours at every foot of Sections Y 82, Y 99, Y 100, Dd 1, Dd 2, Dd 19, Dd 20, Ee 9, Ee 10, Ee 11, and Ee 12; showing territory bounded by the New England Railroad, Oakland street and Harvard street; size, 12 feet by 5 feet; scale, 40 feet to an inch. (Complete.)

Contour plan showing contours at every foot of Sections Y 80, Y 81, Y 82, Y 99, X 89, X 90, X 91, X 92, Ee 9 and Ee 10; showing territory bounded by Blue Hill avenue, Walk Hill street and Harvard street; size, 12 feet by 5 feet; scale, 40 feet to an inch. (Complete.)

In connection with sectional and other plans enumerated above the following work has been done:—

Number of titles looked up	206
Number of conveyances copied	154
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	19

PLAN 13.

A second hearing was held on Oct. 23, 1896, on the territory located in the westerly part of this plan, bounded approximately by Heath street, Walden street, Centre street, Perkins street, Jamaica way and the Brookline town line. On the same date, sections lying nearer the centre of the plan bounded by Washington street, Kingsbury street, Bainbridge street, Walnut avenue, Hamerton street, Holworthy street, Walnut avenue and Cobden street; and again on the same date on a number of sections lying on the easterly boundary of the plan, bounded approximately by Blue Hill avenue, Franklin park, Harold street, Holworthy street, Wyoming street, Warren street, Carlisle street, Gannet street and Gaston street.

Attention is here given to the first-mentioned set of sectional plans of the territory. A portion of this district lying along Heath street, Day street and Centre street, and sloping thence westerly to the Jamaica way and park, offers some of the best building sites to be found within the city limits. In the arrangements for the developing of this neighborhood, these facts have been kept in view, and it is hoped that the system here shown will be considered suitable for the surroundings.

The principal feature of this development is the location of South Huntington avenue, a 60-foot street, beginning at Heath street, at the sharp bend in the same, and continuing in a line somewhat parallel and conformable with the outline of the Jamaica way; thence continuing by an extension through Catalpa street to Perkins street; from here it is proposed to extend it to Centre street at a point opposite Boylston street. From Heath street another street 40 feet in width is projected to run in a direction nearly parallel

PLAN - 13

1896

JOHN P. DORE	} Board of Street Commissioners	JOHN W. MORRISON,
JOHN H. DUANE		Chief Surveyor.
GEORGE H. INNIS		





with, at a general width of 200 feet from South Huntington avenue to Bynner street, another 40-foot street connecting Day street with the Jamaica way.

A number of smaller streets departing from the north-westerly side of Day street, and formerly terminating with dead ends, have been connected with this system, and in future will have proper terminations and connections.

A development for a small portion of the north-westerly slope of Parker Hill is shown on this plan.

Of the territories lying nearer the centre of this plan, and to the east on Elm Hill and along Blue Hill avenue, the present arrangement of streets has, of course, not been disturbed; the subdivisions of several large blocks into smaller ones being the extent of the work. This plan has had fully its share of sections filed, while many more are in progress for filing during the coming year.

Appended is a plan of the territory showing the location of the plans filed and a statement of the work done during the year:—

Plan from actual survey of two sections, T 72 and T 73; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, T 94; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, T 88; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, S 4 and S 17; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, S 16 and S 25; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, S 24; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, S 18 and S 23; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 95 and T 96; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of three sections, T 31, T 50 and T 51; size, 13 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 47 and T 48; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 53 and T 54; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 55 and T 66; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 67 and T 68; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 52 and T 69; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 74 and T 87; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, T 75 and T 86; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan of territory showing Sections S 2, S 3, S 4, S 16, S 17, S 18, S 19, S 22, S 23, S 24, S 25, S 37, S 38, S 44, S 45, S 56 and S 57; size, 8 ft. by 5 ft.; scale, $\frac{1}{1000}$. (In progress.)

Five sectional plans of Sections S 4, S 16, S 17, S 25 and T 94; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Dec. 28, 1896 with the City Engineer.

Two sectional plans of Sections S 24 and T 88; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Jan. 21, 1897, with the City Engineer.

Two sectional plans of Sections T 72 and T 73; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Jan. 30, 1897, with the City Engineer.

In this territory of about 184.52 acres covered by the above sectional plans there are comprised:—

Public streets:

Number of streets	3
Length	2,440 ft. 0.46 miles
Area	144,400 sq. ft. 3.31 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	14
Length	5,340 ft. 1.01 miles
Area	245,375 sq. ft. 5.63 acres

Totals:

Number of streets	17
Length	7,780 ft. 1.47 miles
Area	389,775 sq. ft. 8.95 acres

Percentage of the above area, exclusive of parks, absorbed by all streets, old and new, 22 per cent.

Nine sectional plans of Sections S 18, S 23, T 66, T 67, T 68, T 74, T 75, T 86 and T 87; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (In progress.)

In this territory of about 206.64 acres covered by the above sectional plans there are comprised:—

Public streets:

Number of streets	.	.	.	.	.	42
Length	.	.	.	.	33,100 ft.	6.27 miles
Area	.	.	.	.	1,517,200 sq. ft.	34.83 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	.	.	.	.	.	22
Length	.	.	.	.	12,880 ft.	2.44 miles
Area	.	.	.	.	622,600 sq. ft.	14.29 acres

Totals:

Number of streets	.	.	.	.	.	64
Length	.	.	.	.	45,980 ft.	8.71 miles
Area	.	.	.	.	2,139,800 sq. ft.	49.12 acres

Percentage of above area absorbed by all streets, old and new, 23.3 per cent.

Plans and profiles completed showing grades of—

Street No. 1342, from Seaver street to Hutchings street.

Street No. 1346, from Castleton street to Perkins street.

Street No. 1347, from Perkins street to Street No. 1346.

Craft street, from Heath street to Jamaica way.

Homestead street, from Humboldt avenue to Elm Hill avenue.

Hutchings street, from Humboldt avenue to Elm Hill avenue.

Brookledge street, from Humboldt avenue to Elm Hill avenue.

Grade plan of Sections S 4, S 16, S 17, S 24, S 25, T 72, T 73, T 76, part of T 88, T 94, part of T 95, and parts of X 30 and Y 21, (complete); scale $\frac{1}{1000}$.

Contour plans showing contours at every foot of Sections S 18, S 19, S 22 and S 23; showing territory bounded by Heath street, Evergreen street and South Huntington avenue; size, 10 ft. by 5 ft.; scale 40 ft. to an inch. (Complete.)

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	1,034
Number of conveyances copied	1,050
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	147

PLAN 14.

No second hearing was held on this plan during the year. Much preparatory work, however, has been done, which will greatly facilitate the work towards filing plans in the future. At a hearing given last year, a system was shown of a development for a tract of land lying at the junction of Washington street and Blue Hill avenue, and easterly, to and beyond Columbia street, which has been almost entirely covered by filed plans.

Plans have also been filed covering a large portion of the territory lying north of Washington street, as far as Lawrence avenue, and between Blue Hill avenue and Columbia street. No material changes have been suggested for the existing thoroughfares with the exception of Columbia street, which will be widened and somewhat straightened.

Appended is a plan of the territory, showing the location of the plans filed, and a statement of the work done during the year:—

Plan from actual survey of one section, T 77; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, T 76; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of two sections, T 84 and T 85; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

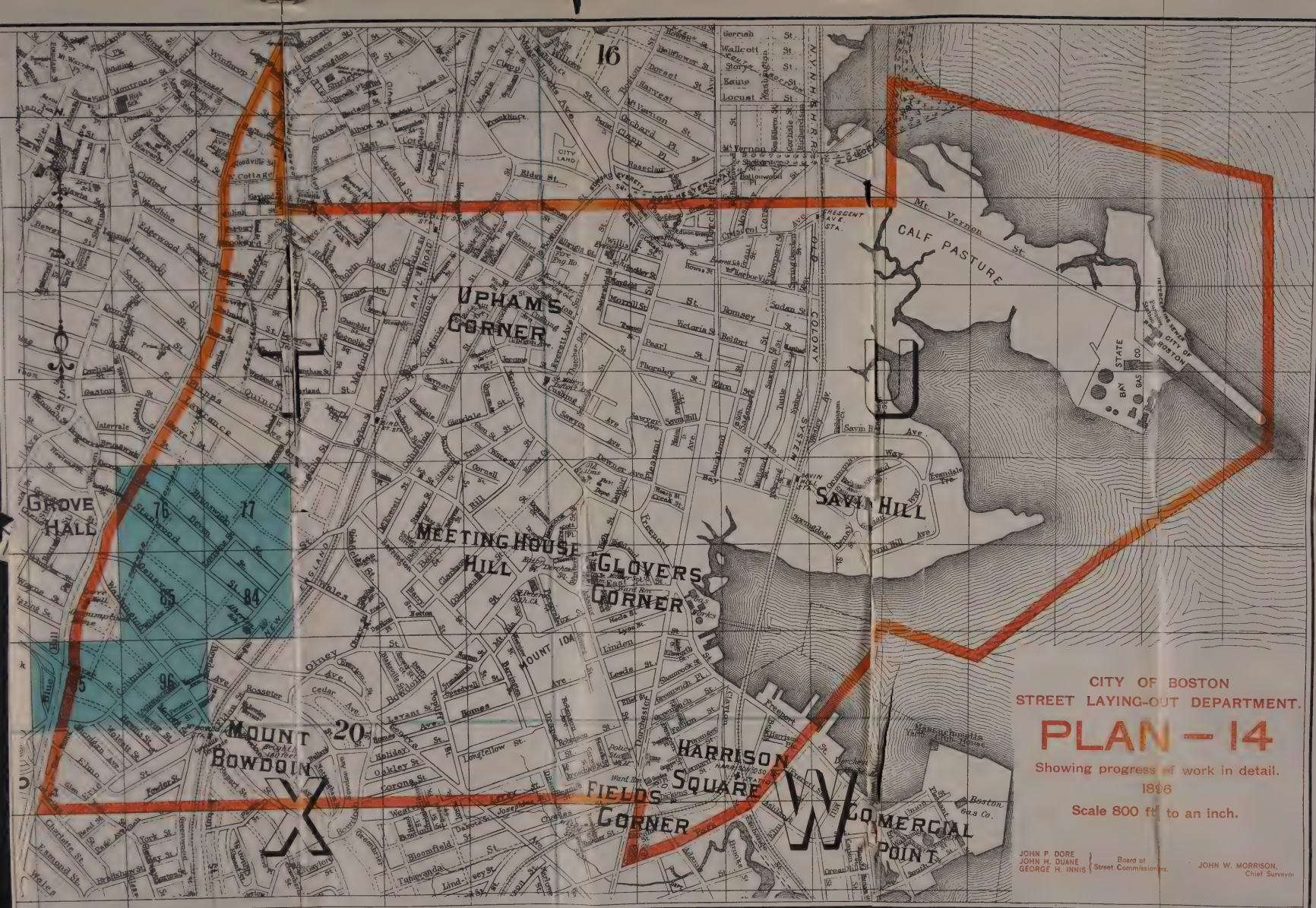
Plan from actual survey of two sections, T 95 and T 96; size, 10 ft. by 5 ft.; scale, $\frac{1}{250}$. (Complete.)

Plan from actual survey of one section, T 78; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, T 64; size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section, T 65 (part of); size, 5 ft. by 5 ft.; scale, $\frac{1}{250}$. (In progress.)

Two sectional plans of Sections T 95 and T 96; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Aug. 25, 1896, with the City Engineer.



CITY OF BOSTON
STREET LAYING-OUT DEPARTMENT.

PLAN - 14

Showing progress of work in detail.

1886

Scale 800 ft. to an inch.

JOHN P. DORE
JOHN H. DUANE
GEORGE H. INNIS

Board of
Street Commissioners.

JOHN W. MORRISON,
Chief Surveyor.



One sectional plan of Section T 85; size, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor and filed Oct. 15, 1896, with the City Engineer.

Two sectional plans of Sections T 77 and T 84; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor and filed Jan. 21, 1897, with the City Engineer.

One sectional plan of Section T 76; size, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor and filed Jan. 31, 1897, with the City Engineer.

In this territory of about 137.76 acres covered by the above sectional plans there are comprised:—

Public streets:

Number of streets	17
Length	13,770 ft. 2.61 miles
Area	720,150 sq. ft. 16.53 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891.

Number of streets	25
Length	21,290 ft. 4.03 miles
Area	846,860 sq. ft. 19.44 acres

Totals:

Number of streets	41
Length	32,020 ft. 6.07 miles
Area	1,567,010 sq. ft. 35.97 acres

Percentage of above territory absorbed by all streets, old and new, 26.1 per cent.

Two sectional plans of Sections T 86 and part of T 65; size of each, 4 ft. by 4 ft.; scale, $\frac{1}{250}$. (In progress.)

In this territory of about 45.92 acres covered by the above sectional plans there are comprised:—

Public streets:

Number of streets	15
Length	7,000 ft. 1.33 miles
Area	380,200 sq. ft. 8.73 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	9
Length	3,010 ft. 0.57 mile
Area	113,200 sq. ft. 2.60 acres

Totals :

Number of streets	23
Length	9,770 ft. 1.85 miles
Area	493,400 sq. ft. 11.33 acres

Percentage of above territory absorbed by all streets, old and new, 24.6 per cent.

Plans and profiles completed, showing grades of —

- Devon street, from Columbia street to Street No. 171.
- Intervale street, from Blue Hill avenue to Columbia street.
- Normandy street, from Stanwood street to Lawrence avenue.
- Normandy street, from Washington street to Seaver street.
- Hewins street, from Blue Hill avenue to Erie street.
- Street No. 1162, from Normandy street to Columbia street.
- Wilder road, from Blue Hill avenue to Glenarm street.
- Merrill street, from Columbia street to Erie street.
- Street No. 1194, from Columbia street to Street No. 1124.
- Street No. 1331, from Stanwood street to Geneva avenue.
- Street No. 1332, from Street No. 1124 to Street No. 1331.
- Wilder street, from Geneva avenue to Street No. 1332.
- Mascoma street, from Quincy street to Brunswick street.
- Street No. 1337, from Lawrence avenue to Street No. 1162.
- Street No. 1338, from Lawrence avenue to Street No. 1162.
- Magnolia street, from Lawrence avenue to Street No. 1162.
- Street No. 1381, from Wales place to Devon street.

Vaughn street, from Geneva avenue, north-easterly.

Brook street, from Geneva avenue to Quincy street.

Grade plan of Sections T 77, T 84, T 85, T 96 and parts of T 76 and T 95 (completed); scale, $\frac{1}{1000}$.

In connection with the sectional and other plans enumerated above, the following work has been done:—

Number of titles looked up	111
Number of conveyances copied	29
Number of plans copied from Suffolk and Norfolk Registries and elsewhere.	4

SUMMARY OF WORK DURING THE YEAR.

Sectional plans completed, approved and filed during the year:—

Sixty-five sections, M 66, M 74, M 75, O 54, O 55, O 59, O 62, O 63, O 64, O 78, S 4, S 16, S 17, S 24, S 25, T 20, T 72, T 73, T 76, T 77, T 84, T 85, T 88, T 94, T 95, T 96, V 9, V 11, V 12, X 30, X 47, X 48, X 49, X 50, X 51, X 52, X 53, X 54, X 67, X 69, X 70, X 88, Y 21, Y 41, Y 60, Y 61, Y 80, Y 81, Y 82, Y 98, Y 99, Z 87, Z 94, Ce 7, Ce 14, Ce 26, Ce 27, Ce 28, Ce 33, Ce 34, Ce 35, Ce 48, Ce 53, Ce 68 and Ce 74.

Territory covered by above plans:—

Area 1,391.93 acres

Public streets:

Number of streets	57
Length 69,280 ft.	13.15 miles
Area 4,437,190 sq. ft.	101.82 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:—

Number of streets	211
Length 181,515 ft.	34.38 miles
Area 7,366,860 sq. ft.	169.10 acres

Totals:

Number of streets	255
Length 231,115 ft.	43.78 miles
Area 11,804,050 sq. ft.	270.98 acres

Plans from actual survey completed :

Number	40
Number of sections comprised	69
Area of sections comprised	1,387.26 acres
Scale	$\frac{1}{250}$

Plans from actual survey in progress :

Number	38
Number of sections comprised	72
Area of sections comprised	1,566.27 acres
Scale	$\frac{1}{250}$

Plans from actual survey in progress, of territory :

Number	3
Number of sections comprised	38
Area of sections comprised	668.16 acres
Scale	$\frac{1}{1000}$

Plans and profiles showing grades completed :

Number of streets	171
Scale	$\frac{1}{50}$ and $\frac{1}{250}$

Plans showing contours at every one foot completed :

Number of plans	10
Number of sections comprised	69
Area of section comprised	1,212.78 acres
Scale	40 feet to an inch

Plans showing contours at every one foot in progress :

Number of plans	2
Number of sections comprised	17
Area of sections comprised	309.26 acres
Scale	40 feet to an inch

In connection with the sectional and other plans enumerated above, the following work has been done :

Number of conveyances copied	1,963
Number of titles looked up	2,120
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	294

Summary of all surveying work done under chapter 323 of the Acts of 1891, and amendments thereto, to Feb. 1, 1897.

Plans :

Numbers, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14
 Area 20,621 acres

Public streets :

Number of streets 811
 Length 1,167,631 ft. = 221.14 miles

Private streets :

Number of streets 1,012
 Length 501,401 ft. = 94.96 miles

Estates :

Number of estates 22,094

Working plans completed :

Number 1
 Size 16 ft. by 7 ft.
 Scale 50 ft. to an inch

Preliminary plans completed :

Number 14

Sectional plans completed, ready to file :

Number of plans 1
 Size 4 ft. by 4 ft.
 Scale $\frac{1}{250}$

Territory covered by plan :

Area 5.24 acres

Public streets :

Number of streets 1
 Length 246 ft. = 0.04 mile
 Area 30,360 sq. ft. = 0.90 acre

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets 3
 Length 932 ft. = 0.18 mile
 Area 37,008 sq. ft. = 0.85 acre

Totals :

Number of streets	.	.	.	.	.	.	.	3
Length	.	.	.	.	.	.	1,178 ft. =	0.22 mile
Area	.	.	.	.	.	.	76,368 sq. ft. =	1.75 acre

Sectional plans in progress :

Number of plans	.	.	.	.	.	.	.	12
Size of each	.	.	.	.	.	.	4 ft. by 4 ft.	
Scale	.	.	.	.	.	.	.	$\frac{1}{250}$

Territory covered by plans :

Area	.	.	.	.	.	.	.	275.52 acres
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Public streets :

Number of streets	.	.	.	.	.	.	.	57
Length	.	.	.	.	.	.	40,100 ft. =	7.60 miles
Area	.	.	.	.	.	.	1,897,400 sq. ft. =	43.56 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	.	.	.	.	.	.	.	40
Length	.	.	.	.	.	.	21,555 ft. =	4.08 miles
Area	.	.	.	.	.	.	964,400 sq. ft. =	22.14 acres

Totals :

Number of streets	.	.	.	.	.	.	.	96
Length	.	.	.	.	.	.	61,415 ft. =	11.63 miles
Area	.	.	.	.	.	.	2,861,860 sq. ft. =	65.70 acres

Total of sectional plans filed, ready to file and in progress :

Number of plans	.	.	.	.	.	.	.	315
Size of each	.	.	.	.	.	.	4 ft. by 4 ft.	
Scale	.	.	.	.	.	.	.	$\frac{1}{250}$

Territory covered by plans :

Area	.	.	.	.	.	.	.	6,169.63 acres
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Public streets :

Number of streets	.	.	.	.	.	.	.	292
Length	.	.	.	.	.	.	387,036 ft. =	73.33 miles
Area	.	.	.	.	.	.	21,859,752 sq. ft. =	501.79 acres

Sizes, 11 ft. 6 in. by 8 ft. 9 in.; 12 ft. 3 in. by 5 ft.; 14 ft. by 10 ft.; 16 ft. 6 in. by 10 ft.; 10 ft. by 8 ft.; 9 ft. by 5 ft.; 11 ft. by 10 ft.; 20 ft. by 10 ft.; 8 ft. 6 in. by 7 ft.; 17 ft. by 10 ft.; 20 ft. by 10 ft.; 18 ft. by 10 ft.; 15 ft. 6 in. by 10 ft.; and 16 ft. 6 in. by 10 ft.; scale, 50 ft. to an inch, and $\frac{1}{1000}$.

Plans from actual survey completed:

Number	139
Number of sections	310
Area of sections comprised	5,884.20 acres
Scale	$\frac{1}{250}$

Plans from actual survey, completed, of territory:

Number	4
Number of sections comprised	57
Area of sections comprised	1,047.25 acres
Scale	$\frac{1}{1000}$

Plans from actual survey in progress:

Number	38
Number of sections comprised	72
Area of sections comprised	1,566.27 acres
Scale	$\frac{1}{250}$

Plans from actual survey in progress, of territory:

Number	5
Number of sections comprised	77
Area of sections comprised	1,663.48 acres
Scale	$\frac{1}{1000}$

Sectional plans completed, approved and filed:

Number of plans	302
Size of each	4 ft. by 4 ft.
Scale	$\frac{1}{250}$

Territory covered by plans:

Area	5,888.87 acres
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Public streets:

Number of streets	234
Length	346,690 ft. = 65.69 miles
Area	19,925,992 sq. ft. = 457.43 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	922
Length	.	.	.	.	850,002 ft. =	160.99 miles
Area	.	.	.	.	36,144,423 sq. ft. =	829.74 acres

Totals:

Number of streets	.	.	.	.	.	991
Length	.	.	.	.	1,086,637 ft. =	205.80 miles
Area	.	.	.	.	56,067,415 sq. ft. =	1,287.57 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	965
Length	.	.	.	.	872,496 ft. =	165.25 miles
Area	.	.	.	.	37,145,831 sq. ft. =	852.73 acres

Totals:

Number of streets	.	.	.	.	.	1,090
Length	.	.	.	.	1,149,230 ft. =	217.65 miles
Area	.	.	.	.	59,005,583 sq. ft. =	1,354.94 acres

Percentage of area of above territory, exclusive of parks, river, etc., absorbed by all streets, old and new, 23.01 per cent.

Streets located and relocated on sectional plans completed, approved and filed:

Length	.	.	.	.	1,086,637 ft. =	205.80 miles
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Streets located and relocated on sectional plans completed, ready to file:

Length	.	.	.	.	1,178 ft. =	0.22 miles
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Streets located and relocated on sectional plans, in progress:

Length	.	.	.	.	61,415 ft. =	11.63 miles
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Totals of streets located and relocated on sectional plans filed, ready to file and in progress:

Length	.	.	.	.	1,149,230 ft. =	217.65 miles
--------	---	---	---	---	-----------------	--------------

Index plans completed:

Number of plans	2
Size	4 ft. by 4 ft.
Scales	$\frac{1}{1000}$ and $\frac{1}{1500}$

Grade plans of whole territories completed:

Number of plans	2
Number of sections comprised	25
Area of sections comprised	23,775 acres
Scale	$\frac{1}{1000}$

Grade plans showing sections:

Number of plans	17
Number of sections completed	302
Area of sections completed	5,888.87 acres
Scale	$\frac{1}{1000}$

Plans showing contours at every 5 feet, completed:

Number of plans	4
Number of sections comprised	49
Area of sections comprised	1,027.33 acres
Scale	$\frac{1}{1000}$

Tracings showing contours at every 5 feet, completed:

Number of tracings	2
Number of sections comprised	19
Area of sections comprised	385.33 acres
Scale	$\frac{1}{1000}$

Plans showing contours at every foot, completed:

Number of plans	8
Number of sections comprised	38
Area of sections comprised	769.21 acres
Scale	$\frac{1}{250}$

Plans showing contours at every foot, completed:

Number of plans	1
Number of sections comprised	1
Area of sections comprised	22.96 acres
Scale	20 ft. to an inch

Plans showing contours at every foot, completed :

Number of plans	18
Number of sections comprised	107
Area of sections comprised	1,982 acres
Scale	40 ft. to an inch

Plans showing contours at every foot, in progress :

Number of plans	5
Number of sections comprised	36
Area of sections comprised	737.69 acres
Scale	40 ft. to an inch

Plans showing contours at every 2 feet, completed :

Number of plans	1
Number of sections comprised	3
Area of sections comprised	68.87 acres
Scale	40 ft. to an inch

Conveyances copied and titles looked up :

Number	10,752
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Plans copied from Suffolk and Norfolk Registries :

Number	2,872
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Stone monuments set in districts covered by Plans 1, 2, 3,
4, 5, 6, 8, 9 and 10, for use in determination of position
and location of street lines :

Number of monuments	112
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Miscellaneous work includes tracings, estimates of areas
by calculations, planimeter, etc., sketches and studies of
different plats, copies of city's notes for use in the field, etc.

LIST OF PLANS.

SURVEYING DIVISION, IN STREET LAYING-OUT DEPARTMENT,
JAN. 31, 1896.

ROOMS 23 TO 27 INCLUSIVE, OLD COURT-HOUSE.

Indexed.	Classification.	Number of Plans.
On Wall, Room 27...	Preliminary Plan 1 Back Bay Fens.....	1
" " " 24...	" " 2 Back Bay.....	1
" " " 27...	" " 3 Neponset.....	1
" Frame " 27...	" " 4 Back Bay.	1
" Wall " 27...	" " 5 Central Dorchester.....	1
" Frame " 26...	" " 6 Lower Mills and Mattapan	1
" " " 26...	" " 7 South Bay.....	1
" " " 25...	" " 8 Brighton	1
" Wall " 27...	" " 9 Part of Roxbury.....	1
" Frame " 27...	" " 10 Part of West Roxbury.....	1
" " " 25...	" " 11 " " " "	1
" " " 27...	" " 12 " " " "	1
" " " 27...	" " 13 " " Roxbury and West Rox- bury.....	1
" Wall " 25...	" " 14 Grove Hall and Meeting-House Hill.....	1
Vol. A.....	Miscellaneous plans of estates. Plans 1 and 2.....	179
Vol. B	" " " " " 3 " 5.....	310
Vol. C.....	" " " " " 4, 8 and 9.....	585
Vol. D.....	" " " " Plan 10.....	86
Vol. E.....	" " " " Plans 12, 13 and 14...	570
Vol. F.....	" " " " Plan 7.....	110
Vol. G.....	" " " " Plans 5, 6 and 12....	104
Vol. H.....	" " " " Plan 8.....	62
Vol. I.....	" " " " Plan 13.....	81
Vol. J.....	" " " " Plans 6 and 12.....	11
Case E.....	Plans of streets approved by Street Commissioners in Roxbury.....	38
" "	Plans of streets approved by Street Commissioners in Dorchester.....	99
" "	Plans of streets approved by Street Commissioners in West Roxbury.....	51
" "	Plans of streets approved by Street Commissioners in Brighton.....	30
" "	Plans of streets approved by Street Commissioners in Charlestown.....	1
Carried forward..		2,331

LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
<i>Brought forward</i>		2,331
Case E	Plans of streets approved by Street Commissioners in City proper.....	1
“ “	Plans of streets approved by Street Commissioners in South Boston.....	2
“ “	Plans of streets approved by Street Commissioners in East Boston.....	10
Case FF	Miscellaneous deed plans, South Bay.....	68
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	T 32, 49 T 52, 69 T 65, 76	3
	T 67, 68 T 72, 73 T 74, 87	3
	T 75, 86 T 84, 85 T 95, 96	3
	T 31, 50, 51 T 47, 48 T 63, 64	3
	T 53, 54 T 55, 66 T 77, 78	3
	Cc 1, Dd 10 Y 90, 91 Z 61, 80	3
	Z 62, 63 Z 64, 77 Z 76, 85	3
	Z 78, 79 Z 81, 100 Z 82, 99	3
Case HH.....	Z 83, 98 Z 84, 97 W 65, 76, 85	3
	W 72, 89, 92 W 73, 74, 75 W 86, 87, 88	3
	W 90, 91 W 93, 94, 95, 96 Ff 8, 13	3
	Ff 9, 12, 29 Ee 1, Ff 10 Ee 20, Ff 11	3
	Ee 21, Ff 30 M 46, 47, 48 M 53, 54, 55	3
	Plat of Plan 10, scale 1.1000.....	1
	Plats of Plans 13, 14, scale, 1.1000	2
	Plat of Parkway taking Plan 10.....	1
	Miscellaneous deed tracings, Plans 10, 13, 14.....	25
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	T 19, 20 U 11, 12 U 9, 10	3
	T 1, 2 L 89, 90 M 81, 82, 83	3
	L 91, 92 M 98, 99, 100	2
Case II	Plats of Plan 7, scale, 1.1000.	2
	Index to “ “ “ “	1
	S 4, 17 S 16, 25 S 24, 37	3
	S 18, 23.	1
	Plat of Plan 13, scale, 1.1000	1
Case JJ.....	Miscellaneous plans, estates and deeds	27
<i>Carried forward</i>		2,523

LIST OF PLANS. — *Continued.*

Indexed.	Classification.			Number of Plans.
<i>Brought forward..</i>				2,523
	<i>Plans from Actual Survey.</i>			
	Sections.	Sections.	Sections.	
	O 21, 22, 39, 40	O 35, 36	O 37, 38	3
	N 50, O 41	O 42, 43	O 44, 45	3
	O 55, 56	O 57, 58	O 51, 59, 60	3
	O 61, 62, 63	O 64, 65	O 66, 67	3
	O 68, 69	O 73, 74	O 75, 76	3
	O 77, 78	O 83, 84, 85	O 87, 88	3
	O 72, 89, 92, 93	O 94, 95, 96, 97	R 6	2
	X 17,	X 18, 23, 38	X 19, 20	3
	X 21, 22	X 24, 37	W 55, 56	3
		Miscellaneous plans, estates, etc. ....			10
	Plats of Plan 8, scale 1-1000			3
	M 31 (part), 32 (part), 33 (part), 41 (part), 48, 49, 50, 51 (part), 60 (part)			1
	M 52, 53, 70, 51 (part), 60 (part)			1
	M 28, 29, 30, 31 (part), 32 (part), 33 (part)..... } N 21, 22, 23, 39, 40, 41 (part), 42..... }			1
	M 67	M 68, 69	M 70, N 61, 62 63	3
	M 71, 72, 73	M 80, 90	N 5, 6	3
	N 11, 12	N 13, 14	N 15, 16, 17	3
	N 23, 24	N 25, 26	N 27, 28, 29	3
	N 59, 60	N 78, 79, 80	N 81, 82, 83	3
	N 51, O 59, 60	O 1, N 10	O 35, 36	3
	O 40, N 31, 32, 33	O 61, 62, 63	O 64, 65	3
	O 77, 78	O 44, 45,	O 55, 56	3
	O 68, 69	O 17, 18	O 46, 47	3
	O 53, 54			1
Case L.L.....	O 19, 20	O 23, 24	O 21, 22, N 30	3
	Miscellaneous deed tracings. Back Bay			20
	" " " Brighton.....			34
	X 73, 68			2
	Ee 3, 18, 23 — X 83, 98			
	X 84, 97 — Ee 4, 17			2
	X 86, 95 — Ee 6, 15, 26			
	X 69, 72	X 67, 74	X 87, 94, Ee 7, 14, 27	3
	X 32, 49, 52		X 85, 96, Ee 5, 16, 25	2
	Ee 2, 19 X 82, 99			1
<i>Carried forward..</i>				2,660

LIST OF PLANS. — *Concluded.*

Indexed.	Classification.	Number of Plans.
<i>Brought forward..</i>	.....	2,660
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	X 47, 54 X 48, 53 X 30, 31	3
	X 50, 51 X 70, 71 X 88, 89	3
	Y 21, 40 Y 41, 60 Y 61, 80	3
Case MM.....	Index Plans, — Plan 6, scale 1-1000	1
	Contour plan of Wellington Hill.....	1
	Miscellaneous rolled plans of estates	12
	“ deed tracings.....	11
	W 33, 48 W 34, 47 W 49, 50	3
	Cc 3, 18 Cc 4, 17 Cc 5, 16	3
	Cc 14, 27, 34 Cc 19 Cc 24, 37	3
	Cc 25, 36 Cc 26, 35 Cc 45	3
Case NN	Cc 46, 55 Cc 6, 15 Cc 23	3
	Z 85, 96 Z 86, 95 Z 94, Cc 7	3
	Cc 28, 33 Cc 48, 53, 68 Cc 74	3
	Miscellaneous rolled tracings, deeds, etc.....	20
	Rolled plans of estates, etc. (manilla paper).....	9
	Contour plans of Plan 10, scale 1-1000	2
	Plans of sections in Plan 10, scale 1-1000.....	1
Drawer A-M.....	Miscellaneous plans in B of S, Sections A to M.....	25
“ N	“ “ “ “ Section N.....	28
“ O-V.....	“ “ “ “ Sections O to V.....	3
“ W.....	“ “ “ “ Section W.....	20
“ X-Z.....	“ “ “ “ Sections X to Z.....	10
“ Miscel... ..	“ “ “ “ “ 	7
Case A.....	“ “ Studies, etc.	30
“ OO.....	Plans and profiles showing grades.....	175
“ QQ.....	“ “ “ “ “ 	278
“ RR	“ “ “ “ “ 	183
“ SS.....	“ “ “ “ “ 	135
“ TT.....	“ “ “ “ “ 	159
“ VV.....	Grade Plans of street in sections filed, 1-1000	32
“ “	Contour Plans.....	29
“ UU.....	Miscellaneous Plans.....	95
Total.....	.....	3,956

Not included in the foregoing list there are the following lithographed plans:

[illegible]

Respectfully submitted,

JOHN P. DORE,
JOHN H. DUANE,
GEORGE H. INNIS,
Street Commissioners.

LIST OF STREETS, COURTS, PLACES, ETC., IN BOSTON.

EXPLANATION.

The date following the name is supposed to be the time at which the street or way first received that name.

Streets marked with a * are, in the opinion of the Street Commissioners, public highways.

Streets marked with a † are public in part.

B. Boston Proper, prior to annexation of Roxbury in 1868.

ROX. Roxbury, as it existed at time of annexation in 1868.

DOR. Dorchester, as it existed at time of annexation in 1870.

So. B. South Boston, as it existed in 1870.

E. B. East Boston, including Breeds Island.

CHSN. Charlestown.

BRI. Brighton, as it existed at time of annexation in 1874.

W. Rox. West Roxbury, as it existed at time of annexation in 1874.

The references to plans on file in the office of the Engineering Department and designated by the letter L, are given under the several streets where official action has been taken.

A street, B., 1828-30; from Mill-dam (now Beacon street) to Sumner (formerly Olive, now Mt. Vernon) street, established in 1828; includes part of unnamed passageway about twenty feet wide, established in 1804; name changed to River street, 1843.

A street, B., 1860; from Berkeley street, west, across Clarendon street, now part of St. James avenue.

A street, So. B., 1804; from Dorchester avenue to Congress street, (formerly Eastern avenue); laid out from Turnpike street to Broadway, Feb. 27, 1805; ordered built from Broadway to the sea, Sept. 9, 1844; Midland street included in A street by change of name, April 20, 1868; A street relocated by Board of Aldermen from north-east line of Fifth (now W. Fifth) street across Eastern avenue (now Congress street) to "limit of solid structures," Nov. 17, 1868; part of same laid out again by Street Commissioners from "present northerly terminus" to Eastern avenue extended, March 14, 1879; authority to open from Congress street about 692 feet north-westwardly given by Street Commissioners, Aug. 12, 1896. L 27, L 58, L 254, L 1347.

A street, Rox., 1872; from Parker street to Halleck street; called New street, 1884; now Archibald street.

A street, Dor., 1892; from Pleasant street to Sumner street; authority to open given by Street Commissioners, May 4, 1892; now called Trescott street.

A street, W. Rox., 1868; from Boylston street to Spring Park avenue, laid out under name of Adelaide street, Nov. 17, 1893.

- A street**, W. Rox., 1877; from Forest Hills street, west, between Morton street and Keyes street; partly closed.
- Abbotts block**, } S. B.; from Ellery street, near angle, north-west;
Abbotts place, } called Ellery terrace in 1896.
- ***Abbot street**, Dor., 1872; from Blue Hill avenue to Harvard street; projected, 1872; laid out, Dec. 29, 1880. L 1509.
- ***Abbotsford street**, Rox., 1894; from Walnut avenue to Crawford street; authority to open given by Street Commissioners, May 31, 1894; laid out from Walnut avenue to Harold street, Sept. 19, 1895; extended to Crawford street, Dec. 29, 1896. L 2732.
- Abbott street**, So. B. 1859; from Dorchester avenue between Hyde street and Kemp street, to Richardson avenue.
- Abbott street**, W. Rox., 1890; east from Willow street near Weld street.
- Aberdeen street**, Rox., 1871; from Beacon street to Brookline Branch of B. & A. R.R.
- Abney place**, Rox., 1850; from Eustis street, north-east, crossing end of Mall street; part from Eustis street to Mall street, formerly part of lower road from Roxbury to Dorchester; part from Mall street, north, formerly part of ancient way called road to the town landing, which existed as early as 1796; now Dearborn street.
- Abutters' court**, So. B., 1852; from Dorchester turnpike (now avenue), south-east next south from junction of Boston (now Dorchester) street; now part of Preble street.
- Academy Hill street**, or road, Bri., 1873; from Chestnut Hill avenue to High school; laid out, Dec. 17, 1873; and accepted conditionally, Dec. 30, 1873.
- Acadia court**, Dor., 1870; from Dorchester avenue east, between Ashmont street and Beale street.
- Acadia street**, Rox. and W. Rox., 1869; from School street to Atherton street; now Arcadia street.
- Acorn street**, B., 1823; from Willow street to West Cedar street.
- ***Acton street**, B., 1864; from Washington street to Bradford street; part from Washington street, west, called Washington court, in 1845; extended to present bounds and called Marlboro' street, in 1857; name changed to Acton street, Feb. 24, 1864.
- Adams court**, B., 1837; from Washington street, south-east to Waltham street; from Washington, east, called Adams place in 1837; part of included in extension of Waltham street in 1850.
- Adams court**, Dor., 1865; south of East street; Hall's court, so called; laid out as a part of Hecla street, Aug. 30, 1892.
- Adams place**, B., 1845; from North Anderson street to Blossom street; same from Bridge (now North Anderson) street to Blossom street called Bridge-street avenue, 1832; name changed to Adams place in 1845.
- Adams place**, B., 1837; from Washington street, east, nearly opposite Waltham street, which upon its extension east, in 1850, crossed and included part of Adams place; the remainder now called Adams court from Washington street to Waltham street.
- Adams place**, So. B.; from E street near West Third street, north-west.
- Adams place**, Rox., 1862; from Washington street north-west, then north-east to Williams street; shown as a "passway" in 1816.
- Adams place**, Chsn.; from Lincoln street, north-west.
- Adams place**, Bri., 1885; from Everett street, east, near Lincoln street; sometimes called Adams street.

- ***Adams square**, B., 1879; the area at the junction of Brattle street, Cornhill, Washington street and Devonshire street so named Nov. 17, 1879. L 65, L 124.
- ***Adams street**, B., 1788; from bottom of Water street to Milk street; called Cooper's alley in 1708; Kilby street in 1769; previous to 1784 called also Miller's lane; named Adams street, July 4, 1788; after naming of Liberty square considered to extend from Liberty square to Milk street; included in Kilby street, July 6, 1824.
- ***Adams street**, B., 1846-1850; from Sudbury street to Ivers (now Chardon) street; called Distill-House square in 1769; name changed to Adams street, Sept. 9, 1850; widened and name changed to Bowker street, April 20, 1868. L 351.
- ***Adams street**, Rox., 1836; from Hampden street to Dudley street; first mentioned, Oct. 22, 1836; laid out from Eustis (now Dudley) street to East (now Hampden) street, Sept. 8, 1856.
- Adams street**, Rox., 1849; from Warren street to Cliff street; name changed to Myrtle street, before March 19, 1860; now Glenwood street.
- ***Adams street**, Dor., 1840; from Eaton square (Meeting House Hill) to junction Washington street and Dorchester avenue at Lower Mills; formerly called Lower road from Roxbury to Milton, or Lower road to Milton, or Lower road to Boston, or the Lower road; named Adams street from Captain Eaton's to Lower Mills, March 11, 1840. L 1182, L 1256, L 1333, L 1334, L 1364, L 1365, L 1750, L 2712.
- Adams street**, W. Rox., 1871; from Gardner street, north-east, on Cow Island.
- ***Adams street**, Chsn., 1828; from Winthrop street to Chelsea street; staked out by selectmen from Mr Townsend's corner to Mr. Breed's dam pasture and approved by the Town in August, 1797; this was the old way from the training field (now Winthrop square) to the "dam pasture" before the laying out of the Salem turnpike; Common street and Adams street, laid out around Winthrop square and boundaries defined, Jan. 26, 1848. L 2492
- Adams street**, Bri.; 1895; from Franklin street opposite Alcott street; authority to open given by Street Commissioners, Nov. 4, 1895.
- Adams street**, Bri., 1846; from Everett street, east, near Lincoln street; sometimes called Adams placé.
- Adams terrace**, Dor., 1895; authority to open between Adams street and Muzzy street, given by Street Commissioners, Oct. 8, 1895.
- Addison avenue**, W. Rox.; from Centre street to White avenue (now Custer street); laid out with the name of Ballard street, Oct. 3, 1891.
- Addison street**, E. B., 1838; from Saratoga street to Chelsea street at bridge.
- ***Adelaide street**, W. Rox., 1893; from Boylston street to Spring Park avenue; laid out, Nov. 17, 1893; formerly A street. L 2549.
- Adelaide terrace**, W. Rox., 1874; from La Grange street, north-east, across south end of Bellevue park; included in West Roxbury Park-way in 1894.
- Adelaide terrace**, W. Rox.; from Adelaide street, near cor. of Boylston street, north-west.
- Ætna place**, B., 1837; from Short (now Kingston) street, west, near Bedford street; now built over.
- Agassiz avenue**, W. Rox.; from Gould street, north-west, to Sunny-side avenue, near junction Weld street and Arnold street.
- Agassiz park**, W. Rox.; from Burroughs street, south-west.

Agawam street, Dor.; from Train street to Neponset avenue; authority to open given by Street Commissioners, Sept. 8, 1891.

Akron place, Rox.; from Akron street, north-east.

***Akron street**, Rox., 1845; from Alpine street to Regent street; laid out, Nov. 6, 1872. L 804.

Alaric street, W. Rox., 1870; from Spring street, near West Roxbury Branch R.R., south-east, then north-east to Centre street.

***Alaska street**, Rox., 1870; from Blue Hill avenue, north-west, to Perlin street; formerly Allston street; name of Allston street changed to Alaska street, April 21, 1868.

Alba court, B., 1844; from School street, north, near Washington street; closed.

***Alban street**, Dor., 1873; from Ashmont street to Welles avenue; laid out, Dec. 29, 1873. L 917.

†**Albano street**, W. Rox., 1852; from Kittredge street to Amherst street; south-east to Kittredge street (formerly Roslin avenue); laid out, Aug. 18, 1879. L 1372.

Albany avenue, Rox., 1874; from Dudley street between Greenville street and Mt. Pleasant avenue, south-west; now Oakland avenue.

Albany place, B., 1857; from Albany street, west, near Harvard street.

***Albany street**, B. and Rox., 1839; from Beach street in Boston to Eustis street in Roxbury; projected in 1839 by South Cove Corporation from Beach street southward; extended by said corporation to Troy street in 1845; extended by City to Roxbury creek (canal) April 21, 1855; extended across Roxbury canal and Roxbury Town wharf or landing-place to Northampton street, June 30, 1868; Davis street in Roxbury, from Northampton street to Eustis street named Albany street, April 21, 1868; this street in Boston was accepted in portions as follows:

Beach street to Harvard street, Aug. 10, 1847; Harvard street to Oak street, Oct. 10, 1853, "provided the South Cove Corporation convey the same to the City;" Oak street to East Orange (now Way) street, Dec. 17, 1855; part from East Orange street to Rochester street and part from Rochester street to Troy street seem never to have been expressly accepted; Troy street to Dover street, Dec. 22, 1865; Dover street to Malden street, Dec. 28, 1858, and May 28, 1859; Malden street to Springfield street (now discontinued), Sept. 4, 1866; part from Springfield street to Roxbury canal seems not to have been expressly accepted. L 59, L 104, L 150, L 212, L 260, L 261, L 303, L 308, L 349, L 377, L 498, L 941, L 1162, L 1331, L 1352, L 1512, L 1531, L 2299, L 2491, L 2708.

***Albemarle street**, B., 1879-80; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Jan. 19, 1880. L 1426.

Albemarle terrace, B.; from Albemarle street, south-west.

Albert place, Dor.; from Adams street, between Park street and Gibson street, west.

Albert street, So. B.; from Abbott street to Kemp street.

†**Albert street**, Rox., 1872; from Heath street, south-west, across Bromley park and adjoining B. & P. (now N. Y., N. H. & H.) R.R.; laid out from Heath street to Bromley park, May 15, 1874. L 910.

***Albion court**, Chsn., 1857; see Albion place.

***Albion place**, Chsn., 1875; from Main street, north-east; laid out and accepted as Albion court, Sept. 7, 1857; name changed to Albion place, Dec. 31, 1875.

***Albion street**, B., 1849; from Dover street to Castle street; part from Dover street north called Tuckerman street in 1831; also called Parkman street, 1846-49; named Albion street, 1849; extended Nov. 20, 1855, from point about 42 feet south-west from Gardiner street,

north-east, across Gardiner street to Castle street. L 54, L 230, L 544, L 546, L 837, L 838, L 1349.

***Albion street**, Dor., 1862; from Dudley street to Clifton street; laid out, Aug. 12, 1869.

Albion street, W. Rox., 1848; from Ashland street to Florence street: shown on plan from Poplar street, north-east; same part called Arnold place, 1843-49; part from Poplar street to Ashland street shown as part of Mt. Vernon street, 1874; same part laid out and name changed to Sycamore street, July 6, 1880. L 1468.

Albion street, W. Rox., 1870; from Shawmut avenue (now Washington street), south-east; probably same as Albano street.

Albright court, Dor., from Boston street, east, to Sumner street; shown as an unnamed court in 1846.

***Alcott street**, Bri., 1892; from Franklin street to Mansfield street; authority to open given by Street Commissioners, April 20, 1892; laid out, July 19, 1893. L 2521.

Alden court, B., 1824; from Alden street, north-west.

Alden lane, B., Alden street, formerly so called; earlier Alden's lane.

Alden place, W. Rox.; from Green street, north-east, near Washington street.

***Alden street**, B., 1846; from Court (formerly Cambridge) street to Sudbury street; called Alden's lane, 1732, and that name confirmed by selectmen, July 4, 1788; later sometimes called Alden lane; called Copeland's lane, 1820-29; Alden or Alden's lane again, 1829-46; named Alden street, July 20, 1846. L 1299.

Alden's lane, B., 1732; from Cambridge (now Court) street to Sudbury street; now Alden street.

Alder street, W. Rox., 1872; from Bellevue avenue, south-east, to Roslindale av.

Alder street, W. Rox.; from Mt. Vernon street to Keith street, between Libby street and Carroll street.

***Aldie street**, Bri., 1890; from Franklin street to Everett street; laid out from Franklin street to Athol street, Nov. 7, 1890; laid out from Athol street to Everett street, Dec. 28, 1892. L 2270, L 2477.

Aldine street, B.; from Atlantic avenue, south-east, to Gilbert place.

Aldrich street, W. Rox.; from Beech street to Brandon street; authority to open between Beech street and B. & P. (now N. Y., N. H. & H.) R.R. given by Street Commissioners, Dec. 1, 1891.

Aldworth street, W. Rox., 1896; from Centre street to Vane street; authority to open from Centre street, northwardly, given by Street Commissioners, Oct. 1, 1896.

Alexander avenue, Dor., 1873; from Dudley street, south-west, crossing Lebanon street and Oleander street; laid out as Alexander street, between Dudley street and Oleander street, July 14, 1890.

***Alexander street**, Dor., 1873; from Dudley street to Oleander street; formerly called Alexander avenue; laid out July 14, 1890. L 2248.

Alford avenue, Chsn., 1870; Alford street, from Main street, northward so called.

***Alford street**, Chsn., 1848; from Main street, northward to Malden bridge, and from north end of Malden bridge, northward to county line; formerly called Malden road, being County road through Malden; so called in records of 1803; named Alford street, from Main street to Malden bridge, March 24, 1848; altered, laid out '60 feet wide and accepted, Dec. 21, 1869; discontinued as a public street, Feb. 15, 1870; same altered, accepted and laid out 50 feet wide, Feb. 15, 1870; same as laid out Dec. 21, 1869, again discontinued, June 28, 1870, same altered, accepted and laid out 50 feet

wide, June 28, 1870; sometimes called Alford avenue. L 1100, L 1101.

Alford street, Chsn., 1858; a way leading from "Broadway" (now Main street) opposite the public street named Alford street, south to Sever street; discontinued and added to Sullivan square, Oct. 6, 1868.

Alford's corner, B., 1728; corner of Beacon street and Centrey or Century (now Mount Vernon) street, then so called.

***Alfred street**, W. Rox., 1881; from Green street, south-west, to Seaverns avenue; laid out, July 19, 1881. L 1540.

***Alfred street**, Chsn., 1810; from Summer street to Bartlett street; conveyed to Town for public highway by Oliver Holden, July 17, 1810; afterward made part of School street.

Alger street, So. B., 1856; part of street now Tudor street, on both sides of E street.

Alger street, So. B., 1857; from Dorchester avenue, south-east, nearly to Dorchester street.

***Algonquin street**, Dor., 1891; from Washington street to Harvard street; authority to open given by Street Commissioners, June 24, 1891; laid out, June 22, 1894. L 2602.

Allan or Allen place, Bri.; from Washington street, north, near Oakland street; called Allan place, 1875; Allen place, 1885.

***Allandale street**, W. Rox., 1863; from Centre street, north-west, opposite Arnold Arboretum; laid out as a public street from Centre street to Brookline line, April 7, 1885; at one time called "Franklin avenue or Allendale street." L 1854, 1855, 1856.

Allard court, Rox., 1876; from Pyncheon street (now Columbus avenue) south-east; named, Dec. 5, 1876.

Allbright court, Dor.; from Boston street, east, to Sumner street; shown as an unnamed court in 1846.

Alleghany Lawn street, Rox., 1860; mentioned as a private street in Roxbury city records; not identified.

†**Alleghany street**, Rox., 1845; from Terrace street to Calumet street; portion between Parker street and Terrace street called Parker place; laid out between Terrace street and Parker street, Oct. 2, 1877; authority to open the portion from Delaware street to a point beyond Pontiac street, given by Street Commissioners, April 12, 1894. L 1268.

Allen court, B., from Allen street, north, between Allen court and Chambers street; also called Allen's court.

Allen place, B.; from Limestone street, south-east; now called Lime-street place.

Allen place, B., 1844; from Allen street, between Spring street and Chambers street; also called Allen's place.

Allen place, Rox.; from Roxbury street, north-east, between Shawmut avenue and Linden park.

Allen place, Bri; see Allan place.

***Allen street**, B., 1829; from Chambers street to Charles street; opened in 1729, by John Allen as a 40-foot highway from his 30-foot way (later Shute street, afterward Wiltshire street, now part of Chambers street) westward to another 30-foot way, near the position of the later Copper street, now Brighton street; named Allen's street, July 4, 1788 (Selectmen's list), and there described "From Shute street, westerly, by Capt. Job Prince's to Cambridge street," which indicates a way not shown on any map, turning southerly therefrom to Cambridge street, and called by the same name; called Allen's lane, 1800; shown on Carleton's map, 1800, from Wiltshire (formerly Shute) street, west to Charles river; called Green

or Green's lane, 1803; called North Allen street, about 1807; name changed to Allen street, April 1, 1829; extended from Brighton street to Charles street, Oct. 29, 1870. L 409.

Allen street, W. Rox., 1872; from Anawan avenue, south-east, between Farrington avenue and Irving street.

Allen street, W. Rox., 1884; from Brown avenue to Rowe street, at Mt. Hope; shown as an unnamed street in 1874.

Allen street, Chsn., 1867; from Main street to Rutherford avenue.

Allen-street court, Chsn.; from Allen street to Thorndike street.

Allendale street, W. Rox., 1863; from Centre street, north-west; now part of Allandale street.

Allen's corner, B., 1732; cor. of Ann (now North) street and Wentworth's lane (now Barrett street), then so called.

Allen's court, B., 1836; from Allen street, north.

Allen's court, E. B.; from Paris street to Havre street, near Decatur street.

Allen's highway, B.; a way established by John Allen in 1717, probably from end of Green lane (now Green street) north, then curving westward and again running straight north-west toward, but not to, Charles river; shown as "Mr. John Allen's 30-foot highway" on plan made in 1725, and there extended to the river; see an obscure indenture made in 1728, by which probably the line of way at the northerly end was changed and extended to the river; called for many years "Allen's highway;" the southerly part "from Green street up the hill to Mr. Russell's rope-walk" (*i.e.*, as far as present position of Poplar street), named Shute street, July 4, 1788; substantially same part called in Edes list and marked on Carleton's map, both 1800, Wiltshire street; later included in Chambers street by change of name, 1812; from the Selectmen's list and Carleton's map it appears that the portion of this way north of the present Poplar street had been abandoned; the part of Gravel street, from Poplar street northward, seems to have been in the position of this northerly part of Allen's highway.

Allen's lane, B., 1800; the present Allen street, named Allen's street in 1788.

Allen's lane, B., 1733-89; from Orange (now Washington) street, east, opposite Nassau (now Common) street to the harbor; now closed.

Allen's plain, Dor., 1823; part of Pleasant street between Cottage street and Savin Hill avenue, then so called.

Allen's street, B., 1788; the present Allen street, so named July 4, 1788.

Allerton street, Rox., 1872; from Gerard street, south-east, near Farnham street.

Allston Heights, Bri.; from Cambridge street, south, opposite Gordon street; shown as an unnamed street on plan dated 1868.

Allston place, B., 1839; from Somerset pl. (now Allston street), south.

Allston place, Rox., 1858; from Warren street opposite Walnut avenue; name changed to Rockville place, April 21, 1868; named Rockville park, Feb. 9, 1885.

Allston square, Bri., 1872; from Allston street, south-east; shown as an unnamed street on plan dated 1857; called Allston-square street, 1875.

Allston-square street, Bri., 1875; Allston square, so called in 1875.

***Allston street**, B., 1842; from Bowdoin street to Somerset street; called Somerset place in 1807; named Allston street in 1842. L 249.

***Allston street**, Rox., 1856; from Blue Hill avenue to Perrin street; projected, Sept. 25, 1856; accepted, July 27, 1863; name changed to Alaska street, April 21, 1868.

- ***Allston street**, Dor., 1863; from Centre street to Melville avenue; laid out, Jan. 20, 1872. L 738.
- ***Allston street**, Chsn., 1854; from Bunker Hill street to Medford street; shown as an unnamed street on plan dated 1841; laid out, Oct 4, 1854.
- ***Allston street**, Bri., 1853; from Washington street to Brighton avenue; shown as an unnamed street on plan dated 1847; laid out by County Commissioners from Summit avenue (formerly Prospect street) to Washington street, Sept. 1, 1867; laid out by Selectmen from North Beacon street (now Brighton avenue) to way (now Summit avenue) formerly Prospect street, May 9, 1870, and same accepted by Town June 24, 1870.
- Allston terrace**, B., from Hobart street at angle, north-west.
- Alma street**, Dor.; from Morton street, near Norfolk street, to Hildreth street.
- Almont place**, B., 1846; from Blossom street, west.
- Almont street**, Dor., 1896; from Blue Hill avenue, north-west, near Mattapan station N. E. R.R.; formerly Mt. Hope avenue.
- Almy street**, Bri., 1892; from Seattle street to Windom street; laid out as Amboy street, July 18, 1892.
- Alna place**, E. B., 1853; from Webster street, south-west, toward Marginal street; originally branching on both sides, making a way T shaped.
- Alphonsus avenue**, Rox., from Whitney street, south-east.
- Alpine avenue**, Dor., 1845; from Grampian way to Indian way; closed in part and part included in Woodland avenue.
- Alpine avenue**, W. Rox., 1847; from Poplar street, north-east to B. & P. (now N. Y., N. H. & H.) R.R. called Belmont avenue, 1843-49; now Brown avenue.
- Alpine place**, Rox.; from Alpine street, north-east, then north-west, with two openings into Alpine street.
- ***Alpine street**, Rox., 1845; from St. James street, south-west, then south-east to Regent street; laid out, Nov. 6, 1872. L 802, L 803.
- Alpine street**, Dor.; from Arcadia street to Robinson street; shown on plan dated 1871, as "Draper street formerly Alpine street."
- Alpine terrace**, Rox.; from Circuit street, near Washington street to Alpine street.
- Alpine way**, Dor., 1883; from "Rockland" (formerly part of Alpine, now part of Woodland avenue), north-east, then east; probably part of former Alpine avenue.
- Alston place**, Rox., 1860; mentioned as a private street in Roxbury city records; same as Allston place.
- Alton place**, B., 1857; from Endicott street, east, near Cooper street; called Walters court in 1853; closed.
- Alton place**, Rox.; from Longwood avenue, between Parker street and Phillips street, south-west.
- ***Alveston street**, W. Rox., 1858; from Seaverns avenue to Greenough avenue; part shown as part of Roanoke avenue on plan dated 1847; laid out, Dec. 8, 1882. L 1668.
- ***Amboy street**, Bri., 1892; from Seattle street to Windom street; formerly called Almy street; laid out, July 18, 1892. L 2415.
- ***Ambrose street**, Rox., 1886; from Albany street to Chadwick street; Hartopp place laid out as a public street, Dec. 13, 1870; name changed to Ambrose street, March 1, 1886. L 535.
- Amee place**, B., 1855-82; from Shawmut avenue, south-east, near Arnold street; included in Woodbury street in 1882. L 1594.

Ames court, So. B., 1864; from Ames street, south-east.

Ames street, So. B., 1864; from Dorr street, north-east to O. C. (now N. Y., N. H. & H.) R.R.

Amesbury street, W. R., 1895; from Baker street to beyond Barnes street, authority to open, given by Street Commissioners, May 3, 1895.

Ames street, Bri.; from Dix street to Madison avenue, closed.

† **Amherst street**, W. Rox., 1881; from Brandon (formerly Williams) street to Dudley avenue; formerly called Cottage street between Brandon street and Prospect (now Penfield) street; laid out between Brandon street and Prospect street, Sept. 14, 1881. L 1556.

Amity street, E. B.; from Swift street to Harmony street.

Amory avenue, Rox.; from Amory street, west, between Centre street and Dimock street.

* **Amory street**, Rox. and W. Rox., 1868; from Centre street near Hog bridge, Rox., to Boylston street, W. Rox.; name of part of School street, from Centre street to Boylston street, changed to Amory street, April 21, 1868; name of part of Boylston street from junction of Boylston avenue to junction of Amory street and School street changed to Amory street, Feb. 16, 1882. L 2010, L 2741.

Amory terrace, Rox., from Amory avenue, south-west.

Amory's corner, B., 1784; cor. of State street and Leverett's lane (now Congress street), then so called.

* **Anawan avenue**, W. Rox., 1872; from Park street to Central station B & P. (now N. Y., N. H. & H.) R.R.; laid out, July 9, 1879. L 1366, L 1367.

Anchor street, So. B.; from B street to E street, north-east of and parallel with W. First street.

Anderson court, B., 1862; from Anderson street, east, between Cambridge street and Phillips street.

Anderson place, B., 1864; from Anderson street, east, between Cambridge street and Phillips street.

Anderson place, Dor.; from Washington street, west, between Algonquin street and School street.

* **Anderson street**, B., 1861; from Cambridge street to Pinckney street; originally Centre street, established by Jeremiah Allen in 1729 from Cambridge street, south, to point 88 feet south from May (now Revere) street; appears as Centre street in 1800; and as Centre street (west), from Cambridge street to Myrtle street in 1817, later called W. Centre street; extended to Pinckney street, 1833; name of W. Centre street changed to Anderson street, May 21, 1861. L 2783.

Andover court, B., 1844; from Andover street, south; closed.

* **Andover street**, B., 1837; from Causeway street to Minot street; accepted and laid out, July 19, 1852; taken, April 6, 1870, by B. & L. R.R. Corporation, by virtue of chap. 291, Acts of 1869; now built over. L 10.

Andrew place, B.; from Andrew street, east, to Thorn street.

* **Andrew square**, So. B., 1891; square at the junction of Dorchester avenue and Dorchester, Swett, Boston and Preble streets named Andrew square, March 5, 1891.

Andrews road, Bri., 1892; from Coolidge street to Holland road (now Hooker street); laid out under the name of Arden street, Aug. 26, 1892.

Andrews street, B., 1874; from E. Canton street to E. Dedham street, between Albany street and Harrison avenue.

Angell street, W. Rox.; from Canterbury street, south-east, to Blue Hill avenue, near junction of those streets; formerly called Autumn street.

Angier street, E. B. (Breed's Island), 1876; from Ashley avenue, south-east, to Revere line.

***Ann Anne } street**, B., 1708; from the conduit in Union street (now Dock square) over the drawbridge to Cross street, 1708-1823; extended through Fish street and Ship street by change of name to the foot of North (now Hanover) street, July 6, 1824; name of part from Hanover street to Commercial street changed to Commercial street, Feb. 17, 1834; from Dock square to North square changed to North street, Jan. 1, 1852; from North square to Commercial street changed to North street, April 10, 1854; called at different times Conduit street and Drawbridge street. Vol. 31, pp. 45, 51, 58.

Ann-street court, B., 1830; from Ann (now North) street, west, near Bartlett (now Harris) street; called Page's court, about 1837.

Ann-street passageway, B., 1831 and earlier; an ancient 4-foot passageway in which a city sewer was laid leading from that part of Ann street (formerly Fish street, now North street) near the bottom of North square to the sea. It was fenced up by some person unknown, and the City Solicitor was ordered to ascertain the rights of the City therein, July, 1831; no report has been found of record.

Anson street, W. Rox.; from South street, near Morton street, south-east to Percy street.

Anthony place, B., 1875; north-east from and then parallel with North Hanover court; named, Oct. 19, 1875.

Antram's corner, B., 1708; the end of the fish market, near the conduit, then so called; on North side of Dock square, now part of Faneuil Hall square.

Antrim street, E. B. (Breed's island); from junction of Ford street and Walley street to Bennington street; authority to open given by Street Commissioners, April 21, 1893.

Antwerp street, Bri., 1892; from Western avenue to Lincoln street; authority to open from Lincoln street, north-east, to unnamed street, given by Street Commissioners, Oct. 14, 1892; authority to open from Western avenue, south-eastwardly, given by Street Commissioners, Dec. 14, 1896.

Appian place, E. B., 1896; from Marion street, south-west, between London street and Havre street; formerly called Marion place.

Appian way, Bri., 1851; from Vernon (now Raymond) street to Franklin street; laid out, Dec. 16, 1873.

Appleton place, Rox., 1845; from unnamed street (Appleton place, now Short street), north-east and east to Brookline street (now avenue) accepted conditionally, June 29, 1863; later called Maple avenue.

Appleton place, Rox., 1845; from Brookline avenue to Maple avenue (now Bellevue street); shown as a "street" on plan dated 1845; now called Short street.

Appleton road, Bri.; from Lake street, south-west, near Commonwealth avenue.

***Appleton street**, B., 1862; from Tremont street to Columbus avenue; includes avenue J on plan dated 1855; from Avenue I (now Berkeley street) westward to point west of Avenue A (now Dartmouth street); laid out as a public street from Berkeley street to Clarendon street, May 21, 1867; from Clarendon street to Columbus avenue, Oct. 27, 1868; extended from Berkeley street to Tremont street, June 8, 1872, including part of Chapman street. L 354, L 764, L 770.

Arborway, W. Rox.; the name of the parkway between Prince street and Forest Hills street, connecting Jamaica Park, Arnold Arboretum and Franklin Park.

***Arcadia street, Dor.,** 1871; from Adams street to Draper street; formerly Auburn street; laid out Nov. 10, 1871. L 712.

***Arcadia street, W. Rox. and Rox.,** 1871; from School street to Atherton street; shown as Acadia street on plans dated 1869; part in W. Rox. accepted by Town, Sept. 27, 1871; whole laid out, Sept. 29, 1874. L 965.

Arcadia terrace, Dor.; from Arcadia street, south.

Arch place, B., 1846; from Hanover street, east, near Mechanic street.

***Arch street, B.,** 1792; from Summer street to Milk street; from Summer street to Franklin place passing through archway under building on Franklin place, 1800; confirmed as a public street, Sept. 15, 1834; wholly opened to Franklin place, May 1, 1858; portion discontinued, Oct. 6, 1858; extended through Morton place to Milk street, April 18, 1873. L 131, L 139, L 840, L 841, L 869.

Archibald street, Rox.; from Parker street to Halleck street; called New street, 1844; A street, 1872.

Arcola street, Rox., 1896; from Day street, north-westwardly, opposite Creighton street; authority to open given by Street Commissioners, Sept. 16, 1896.

Ardee place, Rox., 1875; leads north-west from Ardee street, which leads from Rogers avenue; shown on plan dated 1875.

Ardee street, Rox., 1875; from Rogers avenue, west, north of Bayview place; shown on plan dated 1875.

Arden street, W. R.; from Colberg avenue to Belgrade avenue.

***Arden street, Bri.,** 1892; from Coolidge street to Hooker street (formerly Holland road), formerly Andrews road; laid out, Aug. 26, 1892. L 2432.

Argyle road, Bri.; from Englewood avenue to Commonwealth avenue, now included in Strathmore road.

***Argyle street, Dor.,** 1873; from Welles avenue to Talbot avenue; formerly from Welles avenue to Dorchester avenue; laid out, Dec. 29, 1873; part included in Talbot avenue, Oct. 10, 1892. L 916.

Argyle street, W. Rox.; from Cornwall street, north-east, between Washington street and Marmion street.

Arion street, Dor., 1884; from Davenport avenue, north-west.

***Arklow street, Rox.,** 1881; from Posen street to Gay Head street; part of Heath place from Posen street to Ulmer street, laid out as Arklow street, Nov. 16, 1881; Heath place from Ulmer street to Walden street laid out, Dec. 15, 1875; name changed to Arklow street, March 1, 1882; Arklow street extended from Walden street to Gay Head street, Sept. 22, 1894. L 1118, L 1569, L 2661.

Arlington avenue, B., from Clinton street, northerly; at Mercantile market.

***Arlington avenue, Chsn.,** 1870; from Alford street to Somerville line; laid out and named, Nov. 1, 1870; called also Arlington street; shown as Commercial avenue on plan dated 1870. L 1155.

Arlington place, Chsn.; from Tremont street near Chelsea street, south-west, south-east, north-east to Tremont street again; now Mansfield place.

Arlington place, Bri.; from Arlington street, north.

***Arlington street, B.** 1858; from Beacon street to Boylston street; shown as "street 80 feet wide" on plan dated 1854; established by the Commonwealth and the City by indenture dated Dec. 11, 1856, each contributing half of the street; westerly half, contributed by the Commonwealth, accepted, March 7, 1863. L 374.

Arlington street, Chsn., 1873; Arlington avenue, so called.

***Arlington street**, Bri., 1870; from Market street, opposite Sparhawk street, across Parsons street, westerly; shown as an unnamed street on plan dated 1851; accepted from Market street to Parsons street June 24, 1870; laid out west from Parsons street, Aug. 14, 1891. L 2321, L 2453.

***Armandine street**, Dor., 1871; from Washington street to Milton avenue; laid out Oct. 8, 1889. L 2180.

***Armstrong street**, Rox., 1887; from Chestnut avenue to Mozart street; laid out, May 19 1887. L 1990.

Arnold Arboretum, W. R.; park lying between Centre street and South street, from Arborway south-west, nearly to Mendum street.

Arnold place, W. Rox., 1849; from Poplar street, east; probably same as Albion street on plan dated 1848; now part of Sycamore street.

***Arnold street**, B., 1810; from Washington street to Shawmut avenue; laid out from Washington street west, 1810; accepted from Washington street to Suffolk street (now Shawmut avenue), Nov. 10, 1851. L 22, L 121.

***Arnold street**, W. Rox.; from Weld street to Newton line; lies in territory set off from Newton to Roxbury by chapter 167, Acts of 1838; relocated, July 24, 1884. L 1793, L 1794.

***Arrow street**, Chsn., 1819; from Bow street to Lynde street; formerly from Harvard street to Front street; mentioned April 12, 1819, as formerly Ropemaker's lane; portion from Harvard street to Bow street, made a part of Washington street, Sept. 17, 1866; portion from Lynde street to Front street taken June 5, 1874, by Eastern R.R. Co. by virtue of chapter 360, Acts of 1873.

Arrow-street court, Chsn.; from Arrow street; probably in territory taken by Eastern R.R., Co., June 5, 1874.

Arthur place, Chsn.; from Main street, south-west, between Lincoln street and So. Eden street.

Arthur street, W. Rox.; from Weld street to Joy street, between Willow street and Walker street.

***Arthur street**, Bri., 1884; from North Beacon street to Hichborn street; laid out, Dec. 26, 1884. L 1843.

Arundel park, Dor.; from Ashmont street, near corner of Carruth street to Elm road.

***Arundel street**, Rox., 1874; from Beacon street to Mountfort street; laid out, June 12, 1894. L 2601, L 2834.

Arundel street, Dor.; from Beaumont street to Elm road, between Carruth street and Fairfax street.

Arundel street, W. Rox.; from Walter street, near South street, to Centre street.

Asbury place, W. Rox.; from South street, south-west, near Jamaica street.

Ascension street, Rox., 1833; from Cedar street to Kenilworth street; now called Lambert avenue.

Ash place, B., 1859; from Myrtle street, south, nearly opposite Irving street.

***Ash street**, B., 1809; from Bennet street to Oak street; plan in 1816 shows it crossing Nassau street and Oak street; part south of Oak street called Oak place in 1834; extended conditionally from northerly end northward about 88 feet to Bennet street, July 28, 1834; order to open same, Sept. 22, 1834, shows conditions complied with.

Ash street, B., 1819; from Front street (now Harrison avenue), west, south from Bennet street, a little north of the present Nassau street; closed.

- ***Ashburton place**, B., 1845; from Somerset street to Bowdoin street; from Somerset street, west, called Somerset court, 1809; said court extended to Bowdoin street, 1843; named Ashburton place, Nov. 13, 1845; accepted as a street, Dec. 11, 1848.
- Ashburton street**, B., 1842; formerly Peck lane, now Oxford street.
- ***Ashfield street**, W. Rox., 1890; from Fairview street to Walter street; formerly Peters street; laid out, July 17, 1890. L 2251.
- ***Ashford street**, Bri., 1841; from Linden street to Malvern street; part shown in 1850 as a 40-foot street; shown extended from Malvern street east, to land of Francis on plan dated 1855; laid out by Selectmen, Dec. 17, 1873; accepted conditionally, Dec. 30, 1873, but no record of fulfilment of conditions; laid out as a public street, Sept. 16, 1876, from Linden street to Malvern street. L 1175, L 1176.
- Ashland avenue**, B., 1846; from Washington street to Harrison avenue, south of Dover street; part shown unnamed on plan 1844; called Ashland place, 1853.
- Ashland avenue**, W. Rox., 1849; from Norfolk and Bristol (or Dedham) turnpike (now Washington street) to Florence street; earlier called Ashland street; included in the County way laid out by Norfolk County Commissioners, Sept., 1856; afterward called Ashland street in W. Rox. and Oakland street in Dor.
- Ashland avenue**, W. Rox., 1854; a way 25 feet wide leading from land of B. & P. (now N. Y., N. H. & H) R.R. Co.; not identified; part of Granite street.
- Ashland avenue**, W. Rox., 1870; from Summer street, south-west, across Cass (formerly Granite) street to Ballinakill avenue (now Johnson street); sometimes called Ashland street.
- Ashland place**, B., 1853; from Washington street to Harrison avenue; called Ashland avenue, 1846; Ashland place, 1853; laid out under name of Laconia street, Feb. 15, 1896. L 2757. Volume 31, page 98.
- ***Ashland street**, B., 1845; from Leverett street, south-west, then south-east to junction of Chambers street and Poplar street, including part of street now appearing on maps as Chambers street; part from Poplar street, north-west, probably formerly part of Allen's highway; part from Leverett street, south-west, shown as Gravel street, 1769, 1800, and 1819; name of Gravel street changed to Chambers street, May 26, 1828; name of part of Chambers street, formerly Gravel street, changed to Ashland street, Feb. 24, 1845.
- ***Ashland street**, Rox., 1863; from Grove Hall (now Blue Hill) avenue to Maple street; accepted, Oct. 24, 1864; name changed to Sea View street, April 20, 1869, and to Schuyler street, May 24, 1870.
- †**Ashland street**, Dor., 1851; from Park street to unnamed street near Barque Warwick cove, crossing Elm street and Mill street; accepted from Park street to Elm street, April 21, 1851.
- ***Ashland street**, W. Rox., 1848; from South street to Harvard street; part from Norfolk and Bristol (or Dedham) turnpike (now Washington street) to Florence street shown as Ashland avenue, 1843-49; is part in W. Roxbury, of the way from Dorchester Upper Mills, near corner of River street and Brush Hill turnpike (now Blue Hill avenue), to Norfolk and Bristol turnpike (now Washington street); laid out by Norfolk County Commissioners by way of Berry street and Ashland street (now avenue), Sept., 1856; extended from Washington street to South street, July 30, 1875. L 1066, L 1196, L 1197, L 1198.
- Ashland street**, W. Rox.; Ashland avenue, from Summer street to Ballinakill avenue, 1874.
- Ashley avenue**, E. B. (Breed's island), 1875; from Chelsea avenue to Revere line; the portion of Ashley avenue between B., R. B. & L. R R. and Bennington street was laid out as Walley street, July 3, 1888. L 2073.

***Ashley street**, Rox., 1884; from Chestnut avenue to Armstrong street; laid out, May 19, 1887. L 1989.

Ashmont avenue, Dor.; see Ashmont street.

***Ashmont street**, Dor., 1849; from Washington street to Neponset avenue (formerly turnpike); laid out by County Commissioners, Dec., 1849, for a part of the way through a private way called Ashmont avenue. L 881, L 976, L 1865, L 2189.

Ashmont park, Dor., from Ashmont street, near Peabody square, north-west.

Ashton place, B., 1868; from Charles street, east, north of Fruit street.

Ashworth park, Rox., 1882; from Columbus avenue, north-east, between Walnut avenue and Washington street.

***Aspen street**, Rox., 1888; from Copeland street to Montrose street; laid out, Feb. 6, 1888. L 2048.

Assabet street, Dor.; from Train street to Neponset avenue; authority to open given by Street Commissioners, Sept. 8, 1891.

Astor street, Rox., 1883; from West Chester park (now Massachusetts avenue) to Parker street.

Astoria street, Dor.; from Flint street, south-west, between Norfolk street and N. E. R.R. and parallel with latter.

Asylum street, B., 1844; from Washington street to Harrison avenue. Volume 19, page 123; volume 31, page 56.

***Athelwold street**, Dor.; from School street to Kilton street; laid out and extended over Jackson place from School street to Kilton street, May 6, 1896. L 2761.

Athenæum court, B., 1849-55; from Atkinson (now Congress) street, near High street, east; closed.

***Athens street**, So. B., 1840; from W. Second street to Dorchester street; shown as an unnamed 20-foot passageway, 1809; some part of the present street accepted and laid out, Nov. 29, 1852; extended from a point west of C street about 209 feet to B street, March 14, 1861; laid out in parts as follows: from B street to D street and from Second street to A street, Sept. 1, 1871; from E street to F street, Feb. 29, 1872; from F street to Dorchester street, Feb. 2, 1874; from A street to B street, Aug. 3, 1874; from D street to E street, July 12, 1875. L 167, L 204, L 219, L 556, L 642, L 643, L 644, L 743, L 919, L 950, L 1055.

Athens-street court, So. B.; from Athens street, south-west, between B street and C street.

Atherton avenue, W. Rox., 1871; from Albano street to Washington street.

Atherstone street, Dor., 1896; from Bailey street to Fuller street; authority to open, given by Street Commissioners, Jan. 30, 1896.

Atherton place, Rox.; from Atherton street, north-east, opposite end of Arcadia street.

***Atherton street**, Rox. and W. Rox., 1869; from Washington street to Amory street; laid out from Washington street to Arcadia street, Sept. 29, 1874; New Atherton street laid out from Copley street to Amory street, Aug. 27, 1886; Atherton street extended from Arcadia street to Copley street, April 16, 1888; name of New Atherton street, from Copley street to Amory street, changed to Atherton street, March 1, 1889. L 996, L 1942, L 2066, L 2807.

***Athol street**, Bri., 1885; from Aldie street to Raymond street; formerly called Auburn street between Holton (now Pleasant) street and Vernon (now Raymond) street; laid out as Athol street, Sept. 3, 1885; laid out between Holton street and Aldie street, July 15, 1890. L 1883. L 2250.

Atkins street, Dor., 1872; north-east of and parallel with Hersey street, near Haven avenue.

Atkins street, Bri.; from Washington street to Stratton street.

Atkinson street, B., 1788; from Milk street to Broad street; shown unnamed from Milk street to Cow lane (now High street) 1722 and 1729; from Milk street to Cow lane called Atkinson street in list of 1732; had been extended to Purchase street through Green's lane and whole named Atkinson street, July 4, 1788; extended east to Broad street, May 12, 1851; name changed to Congress street, Aug. 4, 1854; at some time called Green lane or Green's lane. Volume 31, pages 5, 12, 13, 22, 26, 55, 88, 97; volume 19, pages 70, 129.

Atkinson's street, B., 1732; from Milk street to Cow lane (now High street); named Atkinson street, July 4, 1788.

***Atlantic avenue**, B., 1868; from junction of Commercial street and Eastern avenue to Federal street; laid out from junction of Commercial street and Eastern avenue to Broad street at Rowe's wharf, Dec. 18, 1868; name extended over part of Broad street, formerly Flounder lane, between Rowe's wharf and Federal street, March 17, 1874. L 339, L 425, L 426, L 427, L 487, L 488, L 608, L 609, L 610, L 611, L 622, L 674, L 874, L 875, L 876, L 1000, L 1001, L 1042.

Atlantic avenue, E. B. (Breed's Island); Beachmont avenue laid out from Saratoga street to Revere line, in part over a private way called Atlantic avenue, Aug. 12, 1887, but Railroad Commissioners refused confirmation of grade crossing; Atlantic avenue from Ashley avenue to Revere line, laid out and name changed to Beachmont avenue, July 25, 1888. L 2042, L 2043, L 2044, L 2081, L 2082.

Atlantic avenue, Dor., 1845; at Savin Hill, from south-east end Indian way in a circling course around the hill to junction of Savin Hill avenue and Indian way; laid out and included in Savin Hill avenue, Aug. 12, 1869.

Atlantic court, S. B., from Atlantic street; between Thomas park and East Ninth street, west.

†**Atlantic street**, So. B., 1867; from E. Fourth street to Thomas park, north side, and from Thomas park, south side, to E. Ninth street; between Fourth (now E. Fourth) street and Thomas park accepted conditionally, Nov. 25, 1867; laid out from Fourth (now E. Fourth) street to Thomas street (now Thomas park), Nov. 17, 1868; part from Thomas park to E. Ninth street, sometimes called New Atlantic street.

Atlantis street, W. Rox.; from Weld street to Lassell street; authority to open given by Street Commissioners, Oct. 12, 1893.

Atwood avenue, Rox., 1867; from Day street, west; laid out as Evergreen street, Aug. 10, 1894.

Atwood square, W. Rox.; from South street to Custer street, part of, from South street, formerly called Buchanan court.

Auburn avenue, B., 1859; from Poplar street to Auburn street; also called Poplar avenue; included in Auburns treet, Sept. 1, 1879. L 1375.

Auburn avenue, Chsn., from Auburn street, near corner of Main street, south-east.

Auburn court, B., 1846; from Cambridge street, south, between Joy street and So. Russell street.

Auburn place, Rox.; from Auburn street, north-west, between Rugles street and Vernon street.

Auburn place, Chsn.; from Auburn street, south-east, between Main street and Russell street; shown as unnamed place, 1812.

Auburn square, Chsn.; from Auburn street, opposite Russell street, north-west.

- ***Auburn street**, B. 1838; from Poplar street to Leverett street; from Brighton-street avenue, north-east, across Livingston street, 1849; part from Livingston street, north-east, laid out and extended to Leverett street, Nov. 27, 1874; part from Livingston street, south-west, laid out and extended to Poplar street through and including Auburn avenue, Sept. 1, 1879. L 988, L 1375.
- Auburn street**, E. B.; from Swift street to Harmony street; shown as an unnamed street on plan dated 1838.
- ***Auburn street**, Rox., 1830; from Ruggles street to Vernon street; accepted conditionally, Jan. 14, 1850; accepted, Sept. 27, 1852. L 2175.
- Auburn street**, Dor., 1869; from Adams street to Draper street; laid out under name of Arcadia street, Nov. 10, 1871.
- Auburn street**, W. Rox., 1872; from Washington street to Bellevue avenue.
- ***Auburn street**, Chsn., 1863; from Bunker Hill street to Main street; shown as an unnamed street on plan dated 1812; laid out 30 feet wide, June 29, 1863, and subsequently widened.
- Auburn street**, Bri., 1847; from Pleasant (now Holton) street to Vernon (now Raymond) street, 234 feet south-east from and parallel with Everett street; now closed. L 1883.
- Auburn street**, Bri., 1851; from Pleasant (now Holton) street to Vernon (now Raymond) street; laid out by Selectmen, Dec. 17, 1873; part from Raymond street to Pleasant street laid out as a public street, with name of Athol street, Sept. 3, 1885.
- Auchmuty street**, B., 1777; part of Essex street was sometimes so called, from Short (now Kingston) street to South street.
- ***Auckland street**, Dor., 1875; from Belfort street to proposed street (part of Bay street); part from Belfort street, south, shown as an unnamed street on plan dated 1871; from Belfort street to Savin Hill avenue shown on plan dated 1875; south of Savin Hill avenue shown on plan dated 1885; Auckland street laid out from Bay street to Belfort street, Nov. 2, 1891; L 1760, L 2351, L 2352.
- ***Audubon circle**, Rox.; a circle 250 feet in diameter, having for its centre the intersection of the centre lines of Audubon road, and that part of Beacon street between Audubon road and Brookline line.
- †**Audubon road**, Rox., 1884; from Ivy street to and across Beacon street at Audubon circle, south-east, to Back Bay Fens, named Jan. 28, 1884; portion from Beacon street across Ivy street, laid out Nov. 7, 1895; L 2745.
- Augustus avenue**, W. Rox., 1870; from Poplar street, south-west, and beyond Metropolitan avenue.
- Austin avenue**, E. B. (Breed's Island); from Ashley avenue to Bayswater street.
- Austin avenue**, Dor.; from Stoughton street, northward, between Sumner street and Bakersfield street.
- Austin street**, Rox.; from Brookline avenue, north, to Bellevue street.
- Austin street**, Dor., 1874; from Commercial street to Downer avenue; laid out with name of De Wolf street, June 21, 1880. L 1464.
- Austin street**, W. Rox., 1852; name of Centre street changed to Austin street, May 3, 1852; renamed Centre street, Dec. 2, 1861.
- Austin street**, W. Rox., 1884; from Canterbury street to Harvard street; opened by Arthur W. Austin over his land in 1868 with name of Austin terrace; called Austin street in 1884.
- Austin street**, W. Rox., from Canterbury street to Back (now Harvard) street; now a part of Morton street.

- ***Austin street**, Chsn., 1817; from Main street to Prison Point bridge; road made "from end Craigie's bridge" "through Austin street to Main street." Sept. 6, 1817.
- Austin terrace**, W. Rox., 1868; from Canterbury street to Back (now Harvard) street; now Austin street.
- Austin's corner**, B., 1800; cor. Marlboro' (now Washington) street and Bromfield's lane (now Bromfield street), then so called.
- Austin's lane**, Chsn., 1761; from Back street, west; not identified.
- Austin's lane**, Chsn., 1827; mentioned as "Austin's lane or Gill street" in Charlestown town records, May 21, 1827; Gill street discontinued, March 28, 1836.
- ***Autumn street**, Rox., 1871; from Longwood avenue to Park street; laid out, Sept. 1, 1871. L 658.
- ***Autumn street**, W. Rox., 1870; from Centre street to Summer street; laid out, April 29, 1878. L 1303.
- Autumn street**, W. Rox., 1872; from Blue Hill avenue to Canterbury street; now Angell street.
- Avenue A**, B., 1855; from a point south of Avenue K (now Montgomery street) to a point north of Avenue H (now Chandler street) part of Dartmouth street.
- Avenue B**, B., 1855; from Tremont street, northward, to point north of Avenue H (now Chandler street); part of Clarendon street.
- Avenue H**, B., 1855; from Tremont street, westward, to point west of Avenue A (now Dartmouth street) now Chandler street.
- Avenue J**, B., 1855; from Avenue I. (now Berkeley street), westward, to point west of Avenue A (now Dartmouth street); part of Appleton street.
- Avenue K**, B., 1855; from Tremont street, westward, to point west of Avenue A (now Dartmouth street); part of Montgomery street.
- Avenue I**, B. and Rox., 1853; projected from point west of Tremont street, opposite Lucas street, northward across Mill-dam (now Beacon street) to Charles river; abandoned.
- Avenue I**, B. and Rox., 1854; projected from west line of Tremont street, opposite Dover street, northward to Harbor Commissioners' line in Charles river, north from the Mill-dam (now Beacon street); now Berkeley street.
- Avenue II**, B. and Rox., 1853; projected from end of Boylston street at west side of Public Garden as then projected, westward to Cross-dam (now Parker street); same avenue projected to Brookline line; now part of Boylston street.
- Avenue III**, B. and Rox., 1853; projected from south end of Avenue I. (now abandoned), opposite Lucas street, westward to dike leading from Cross-dam (now Parker street) to B. and P. (now N. Y., N. H. & H.) R.R., opposite end of Camden street; abandoned.
- Avenue III**, B. and Rox., 1854; projected from Avenue I. (now Berkeley street), westward, being shown nearly to Cross-dam (now Parker street); shown to point west of Avenue A (now Dartmouth street); part of now part of Warren avenue, rest abandoned.
- Avenue IV**, B. and Rox., 1853; projected from Tremont street, nearly opposite Pembroke street, northward across Mill-dam (now Beacon street) to Charles river; abandoned.
- Avenue IV**, B. and Rox., 1854; projected from Tremont street, at a point opposite part from Brookline street to Pembroke street, northward across Mill-dam (now Beacon street) to Harbor Commissioners' line in Charles river; abandoned.
- Avenue V**, Rox., 1853; from Avenue I. (abandoned), westward, to Cross-dam (now Parker street); included in Commonwealth avenue.

- Avenue V.**, Rox., 1854; projected from Avenue I. (now Berkeley street) westward to Brookline line; a part included in Commonwealth avenue.
- Avenue VI.**, B. and Rox., 1853; projected from Tremont street, nearly opposite Chester square (now Massachusetts avenue) northward across Mill-dam (now Beacon street) to Charles river; abandoned.
- Avenue VI.**, B. and Rox., 1854; projected from Tremont street, opposite Chester square (now Massachusetts avenue) northward across Mill-dam (now Beacon street) to Harbor Commissioners' line in Charles river; part of easterly side of said avenue made boundary line between Boston and Roxbury, by section 1 of chapter 210, Acts of 1859; abandoned.
- Avenue place**, Bri., 1884; from Western avenue, east of Waverly street, south.
- Avenue street**, Bri., 1840; the Mill-dam road from Brookline line to Watertown line so named June 15, 1840; name of Avenue street changed to Beacon street, Nov. 10, 1846; changed from Beacon street to North Beacon street, March 5, 1860; name of part of North Beacon street from former boundary line between Brighton and Brookline westward to Cambridge street at Union square changed to Brighton avenue, Jan. 28, 1884; name of part of Brighton avenue from said former boundary line to Massachusetts avenue changed to Commonwealth avenue, March 1, 1887.
- Avery lane**, B., 1820; from Rainsford's lane (now Harrison avenue,) east; closed.
- Avery place**, B., 1828; from Avery street, north.
- Avery place**, Chsn.: from Russell street, nearly opposite Oak street, north-east to Auburn avenue.
- ***Avery street**, B., 1826; from Washington street to Mason street; called Sheaf's lane in list of 1732, from Newbury (now Washington) street west to the Common; same extent and called Sheaf's lane in Selectmen's list, 1788; Sheaf's lane in Edes list, 1800; Sheafe lane or Sheafe's lane from Newbury street to Common street in 1817, including part of the present Mason street; name of Sheafe lane changed to Avery street, Oct. 21, 1826; also called Colburn's lane at an early date.
- Avery's corner**, B., 1800; cor. Newbury (now Washington) street and Sheafe's lane (now Avery street,) then so called.
- Aves's corner**, B., 1732; cor. Lynn (now Commercial) street, and Henchman's lane (now Henchman street) then so called.
- ***Avon place**, B., 1824; from Washington street to Chauncey street; called D'Emmings court, also Central court (from Newbury [now Washington] street, east), 1806; named Avon place, 1824; extended to Chauncey street, Sept. 25, 1868; name of Avon street given to Temple place and Avon place, March 30, 1869; making one street from Tremont street to Chauncey street; part of Avon street, from Washington street to Chauncey street, renamed Avon place, June 9, 1869. L 388, L 429, L 430.
- †**Avon place**, Rox.; from Ruggles street north, between B. & P. (now N.Y., N.H. & H.) R.R. and Parker street; shown as an unnamed place in 1835; shown as Avon place or street, 1843-49; laid out, June 19, 1877; name changed to Leon street, March 1, 1894. L 1244.
- Avon place**, Chsn.; from Sullivan street south-east, south-west from Bunker Hill street.
- ***Avon street**, B., 1869; from Tremont street to Chauncey street; Temple place and Avon place together named Avon street, March 30, 1869; parts renamed as before, June 9, 1869.

- Avon street**, Rox., 1837; from Heath street, north-east, then south-east, then south to Heath street again; now called Lawn street.
- Avon street**, Rox., 1851; from Commonwealth (formerly Brighton) avenue, south, to B. & A. R.R. (formerly Boston & Worcester R.R.); shown from Brighton avenue, south, across said railroad to Beacon street; part south of the railroad closed.
- *Avon street**, W. Rox., 1845; from Pond street to Brookline line; accepted, March 28, 1870
- Avondale place**, Dor., at the Lower Mills; from Richmond street, north, between Washington street and Dorchester avenue.
- Ayr road**, Bri., 1896; from Beacon street to Orkney road; authority to open given by Street Commissioners, July 30, 1896.
- B street**, B., 1828; from A (now River) street to D (now Brimmer) street parallel with and 140 feet south from Chestnut street; named Byron street, 1830.
- †B street**, So. B., 1804; from W. Seventh st. at junction Dorchester avenue across Eastern avenue (now Congress street) on South Boston flats; projected "from the boundary line to the sea" Oct. 4, 1804; laid out and named, Feb. 27, 1805; laid out from Seventh (now W. Seventh) street to low-water mark, Nov. 17, 1868. Vol. 31, page 48. L 27, L 654.
- B street**, Rox., 1872; leads south-east from unnamed street (now Mechanic street) leading south-west from Ruggles street, near Parker street; called B street court, 1883, and shown as Antwerp street in 1886; near where Willis street now is.
- B street**, Rox.; from Norfolk avenue to Proctor street.
- B street**, W. Rox., 1868; from Boylston street to Spring Park avenue; laid out with the name of Burr street, April 25, 1877. L 1230.
- B street**, W. Rox., 1877; from Williams street, south-west, across A street.
- B street court**, Rox., 1883; from continuation of Mechanic street, south of Ruggles street, south-east; called B street in 1872, and Antwerp street in 1886; near where Willis street now is.
- B street**, Dor., 1892; from Pleasant street to F (now Bakersfield) street; authority to open given by Street Commissioners, May 4, 1892; now called Morrill street.
- Babcock court**, Chsn., 1838; from Main street, north, opposite Sullivan square.
- Back Bay Fens**, Rox., 1887; Back Bay Park named Back Bay Fens, Dec. 30, 1887; entrances from Beacon street, Boylston street, Westland avenue, Huntington avenue and Brookline avenue.
- Back lane**, Chsn., 1638; another name for Back (now Warren) street.
- Back lane**, Chsn., 1788; from Middlegate (now Prescott) street to Bow (now Devens) street; possibly the same as later Prescott-street avenue.
- Back street**, B.; from 67 Brimmer street, west; 30-foot passageway running along by the Charles river.
- Back street**, B., 1708; from "Stanbury's Corner" at Middle (now Hanover) street to Prince street, May 3, 1708; included in Salem street, July 6, 1824.
- *Back street**, Rox. and W. Rox., 1796; called "Back street, Road to the Great Lots," 1796; from Warren street to South street named Back street, May 9, 1825; name changed to Walnut street, Nov. 20, 1843; part of Walnut street from former corner of Walnut avenue and Forest Hills street to South street, included in Forest Hills street, June 26, 1848; part of same from present corner of Forest Hills street and Morton street to South street, made part of Morton street, Dec. 5, 1859; rest of Walnut street, named Walnut avenue,

April 21, 1868; part south of Sigourney street now in Franklin Park.

***Back street**, Dor. and W. Rox., 1840; from Blue Hill avenue to Hyde Park line; after annexation of Dorchester, westerly line of Back street made boundary line between Boston and West Roxbury by chapter 146, Acts of 1870; probably in early times this street and the present Harvard street in Dorchester formed a continuous way; shown as town road in 1835; street from turnpike by Samuel Capen's and Mrs. Floyd's to Trescott's lane named Back street, March 11, 1840; name changed to Mount Hope street, Sept. 18, 1861; no record of renaming Back street; name of Back street, from Blue Hill avenue to Hyde Park line changed to Harvard street, March 1, 1896.

***Back street**, Chsn., 1638; down to 1831 extending from junction of Hepburne's or Hepburn's lane or street (now part of Henley street) and Streeter's or Phillips' lane (later part of Salem turnpike or Turnpike street, later part of Back street, now part of Park street) north-west to Broad street (later Market street, now Main street); called also Back lane, 1638, and at various times later shown as an unnamed street; street leading from City square to Main street being Back street and a part of the late Salem turnpike named Back street, Oct. 3, 1831; said "part of the late Salem turnpike" called Streeter's lane, 1670; Streeter or Phillips' lane, 1768; Phillips' lane, 1780; included in Salem turnpike or Turnpike street, 1803-4; Back street named Warren street, March 3, 1834; part from City square to Henley street (being part formerly Streeter's or Phillips' lane) named Park street, Dec. 29, 1868.

Bacon place, B., 1844; from Carver street, east, between Eliot street and Townsend place; shown on maps as late as 1861; now closed.

Badger place, Chsn., 1874; from Green street, north-west, between Bartlett street and Hancock street.

Bagnal street, Bri., 1894; from Holton street to Aldie street; authority to open given by Street Commissioners, April 14, 1894.

***Bailey street**, Dor., 1870; from Washington street to Dorchester avenue; laid out, June 29, 1877. L 1246, L 1247.

Bailey's court, Rox., 1852; from Albany street, south-east, near Yeoman street; now called Bailey court.

Baily street, W. Rox., 1887; from Washington street, north-west, near and south of Keyes street; laid out as Burnett street, March 29, 1890. L 2215.

Bainbridge street, E. B., 1836; from Porder street, south-east, to Chelsea street; shown on plan dated June 2, 1836, north-east of and parallel with Decatur street.

***Bainbridge street**, Rox., 1845; from Walnut avenue to Dale street and bounding on Washington park; part from Walnut avenue (then street) to land (now said park) shown as part of Hull street at one time; no record of laying out has been found. L 740.

***Bainbridge street**, Chsn., 1848; from Chelsea street to Moulton street; Selectmen directed to open a road from Salem turnpike to the rope-walks through Ebenezer Breed's land, June 8, 1807; agreement with Mr. Breed to build same 30 feet wide, May 3, 1813; deed of land from Mr. Breed to Town, Feb. 8, 1814; shown as an unnamed street in 1818; first named Bainbridge street in 1848; called Brooks street in 1844-52.

Baker avenue, { Dor., 1873; from Washington street, east; formerly
Baker court, { Baker avenue and Brandon street; laid out as Brent
street, from Washington street to Carlisle street, Nov. 12, 1885. L
1896.

Baker court or {
Baker place, { Dor., from Willow court, north-east.

- Baker**, (or **Baker's**) **court**, Dor., 1870; from Washington street, west, at Lower Mills, almost adjoining Neponset river.
- Baker court**, W. Rox., 1884; from Germania street, south-west; called Baker street in 1884 from Boylston street; part near Boylston street included in the laying out of Germania street.
- Baker park**, Dor., 1895; from East Cottage street, south, near New England R.R.; authority to open given by Street Commissioners, Feb. 5, 1895.
- Baker place**, or **Baker court**, Dor., 1884; from Willow court, north-east.
- Baker place**, Dor., 1872; from Bird street, north, adjoining and west of N. E. R.R.
- Baker place**, W. Rox.; from Baker street; south-west, near and north-west of Gardner street.
- ***Baker street**, W. Rox., 1825; from Centre street to Newton line; named, May 9, 1825; probably a public highway some time previous; straightened from Centre street to Spring street, March, 1872. L 1647, L 1648, L 1649, L 2407.
- Baker street**, W. Rox., 1874; from Boylston street, near Washington street, south-west, crossing end of Germania street; part of included in the laying out of Germania street; also called Baker court.
- Baker's alley**, B., 1844; from North street, west, between Richmond street and Prince street.
- Baker's alley**, B., 1848; from Broad street, west, south of Battery-march street; included in Sturgis street 1869, and Sturgis street, included in Franklin street, 1873. L 460.
- Baker's alley**, B., 1866; from South Margin street, south, between Prospect street and Norman street.
- Bakersfield street**, Dor., from Stoughton street to Willis street; authority to open under name of F street given by Street Commissioners, May 4, 1892.
- Baldwin court**, Chsn., 1854; from Main street, north-east, between Salem street and School street; Beckford court (now Linwood place), so called in 1854.
- Baldwin place**, B., 1829; from Salem street, west, between Prince street and Cooper street.
- Baldwin place**, So. B., 1874; from Baldwin street, south.
- Baldwin place**, Bri., 1874; from Washington street, south-west, near and west of Chestnut Hill avenue.
- Baldwin street**, B., 1878; from Northampton street to Camden street; laid out as Watson street, May 10, 1886. L 1904.
- ***Baldwin street**, So. B., 1851; from Granite street to A street; laid out Nov. 17, 1868. L 256.
- Baldwin street**, Rox., 1833; from Massachusetts avenue (formerly West Chester park) to Parker street; formerly from Parker street, east, to the channel in empty basin a few feet west from present location of B. & P. (now N.Y., N.H. & H.) R.R.; Baldwin street, from Massachusetts avenue to Parker street, laid out as Norway street, July 10, 1896.
- ***Baldwin street**, Chsn., 1850; from Rutherford avenue to Bunker Hill street, and from latter street to Medford street, the two parts not continuous; part from Bunker Hill street to Mystic river called Coggin street in 1837 and 1843; same part called Linden street in 1844; Baldwin street, from Main street to Bunker Hill street, laid out and accepted, Feb. 14, 1853; Linden street made a continuation of Baldwin street, Oct. 8, 1867; altered, etc., between Main street and Bunker Hill street and accepted, Feb. 28, 1870; laid out from Main street to Rutherford avenue, Oct. 9, 1891. L 2344.

- Baldwin's lane**, Dor.; from River street, near Hyde Park line; sometimes called Bird's lane.
- Balfour street**, Dor.; from Dalkeith street to Wayland street.
- ***Ball street**, Rox., 1860; from Washington street to Shawmut avenue, laid out, June 29, 1870. L 527.
- Ballantine's corner**, B., 1708; corner of Hanover street and Marshall's lane (now Marshall street), then so called.
- Ballard place**, B., 1831; from Bromfield street, south, then turning east; not given in directory later than 1849; probably now an arched passageway without name.
- Ballard place**, W. Rox., 1886; east from Ballard street.
- ***Ballard street**, W. Rox., 1884; from Centre street to Custer street; at one time known as Addison avenue; laid out Oct. 3, 1891. L 2340.
- Ballard way**, W. Rox., 1896; from Jamaica street, north-easterly, near Woodman street.
- Ballard's corner**, B., 1800; corner Newbury (now Washington) street, and West street, then so called.
- Ballinakill avenue**, W. Rox., 1874; from Baker street, north-east; also another portion crossing end of first and running south-easterly, crossing end of Ashland street; part of laid out as Johnson street, Jan. 6, 1888.
- Ballou avenue**, Dor., 1874; from Lauriat avenue to Norfolk street, near N. E. R.R.; authority to open part from Norfolk street, near R.R. bridge, north-west, then north-east, to beyond Mascot street, given by Street Commissioners, July 20, 1893.
- Ballou place**, Dor.; from Norfolk street, near Milton avenue, to Ballou avenue.
- Ball's alley**, B.; a name for North Centre street prior to 1708.
- Baltic street**, E. B., 1884; from Cottage street to Front street, crossing end of Swift street (proposed street).
- Baltimore street**, Dor.; from Beaumont street to Elm road.
- Bancroft place**, B., 1868; from 33 Hawkins street, east.
- Bang's alley**, B., 1803; from Kilby street, east; Marshall's alley, 1784-1800; Bangs alley, 1803-25; the alley way next south of Doane street.
- Banister's lane**, B.; Winter street was sometimes so called prior to 1708; first called Blott's lane, later Willis's lane, or Banister's lane, and sometimes Bolt's lane.
- Bank Top road**, B., 1794; a passageway 12 or 15 feet wide leading from the counting-room of Sears & Gosley on Sears (now Fort Hill) wharf, north-east then north-west to Purchase street; part now built over and parts now in Oliver street and Atlantic avenue. See deed Suffolk Reg. L 179, Fol. 85; altered so as to be parallel with Broad street, 1834.
- Barbara street**, W. Rox., 1896; from Centre street, westerly, near corner of Perkins street; authority to open given by Street Commissioners, June 25, 1896.
- Barber's alley**, B., 1868; from North street, north-west, between Fleet street and Clark street; shown on plan as an unnamed way in 1848.
- Barlow street**, W. Rox.; from Wachusett street, near Weld Hill street; authority to open given by Street Commissioners, July 19, 1893.
- Barnan place**, So. B., 1884; from East Third street, north, between Emmett street and K street; generally called Barnard place.

- Barnard place**, So. B., 1869; from East Third street, north, between Emmett street and K street.
- Barnard place**, So. B., 1884; from East Second street, south, between I street and Emmett street.
- Barnard's corner**, B., 1800; corner North street and Love lane, (now Tileston street), then so called.
- Barnes street**, Dor.; from 1817 Dorchester avenue, west.
- Barnes street**, W. Rox., 1895; from Amesbury street to Durant street; authority to open given by Street Commissioners, May 3, 1895.
- Barque Warwick street**, Dor., 1810; from Neponset street, south-east, to bridge on Mill-pond; sometimes written Bark Warwick street; street does not now exist.
- Barrack lane**, B., 1788; name given by Selectmen to Bury lane or street, from Federal street (formerly Long lane) to Atkinson (now Congress) street, but apparently never used; called Berry street, 1803, and named Channing street, July 14, 1845.
- Barre place**, B., 1826; from 53 Eliot street, north, near Tremont street; sometimes called Barry place.
- Barrett's corner**, B., 1800; corner Middle (now Hanover) street and Bell alley (now Prince street), then so called
- ***Barrett street**, B., 1831; from North street to Fulton street; from Ann (now North) street, east, called Wentworth's lane, 1732; accepted and named Barrett street (conditionally) from Ann street to New street (now Fulton street) in rear of Commercial street, June 7, 1831; laid out and named, Oct. 24, 1842. L 112.
- Barrill's corner**, B., 1732; corner of Newbury (now Washington) street and Sheafe's lane (now Avery street), then so called.
- ***Barrington street**, Dor., 1889; from Bowdoin street to Columbia street; known as Hamilton avenue from 1872 to 1889; laid out as Barrington street, Oct. 21, 1889; shown as a proposed street from Bowdoin street to Holmes avenue, 1894; authority to open part of this given by Street Commissioners, Aug. 29, 1893. L 2181, L 2182.
- Barry's corner**, Bri.; at the junction of Western avenue and North Harvard street.
- Barry** }
Barry's } **court**, B., 1859; from Washington street, east, between Savoy street and Cottage place.
- Barry place**, B., 1826; from Eliot street, near Tremont street, north; sometimes called Barre place.
- Barry street**, Dor., 1872; from Quincy street to Clarkson street; authority to open portion from Barrington street to Clarkson street given by Street Commissioners, Oct. 13, 1896.
- Barstow street**, Bri., 1888; west from 36 Saunders street.
- Barstow street**, E. B. (proposed); from Cottage street to Georgia street, Wood Island.
- Bartlett court**, Rox., 1874; from 170 Norfolk avenue, north-east; sometimes called Bartlett street.
- Barton's point**, B., 1712; at the foot of Leverett street; called Blackstone's point, 1708.
- † **Bartlett place**, B., 1837; apparently T shaped, first part from Salem street, west, opposite Parmenter street, second part from Cooper street to North Margin street, across end of first part; portion from Salem street, west, then north to Cooper street, called Salem place, 1828-36; part 50 feet north of Salem street, laid out as an extension of Richmond (now Parmenter) street, in 1845.

Bartlett place, Chsn., 1854; from near Bartlett street, south-west, between Sullivan street and Walker street; not in Charlestown directory after 1858, where it is described as "near 112 Bartlett street."

* **Bartlett street**, B., 1826; from Hanover street to Ann (now North) street; called White Bread alley, 1708; named Bartlett street, 1826; name changed to Harris street, April 21, 1868.

Bartlett street, Rox., 1884; from 170 Norfolk avenue, north-east; also called Bartlett court.

* **Bartlett street**, Rox., 1825; from Dudley street, at Eliot square to Washington street; so named, May 9, 1825; originally this street and the part of Washington street, from the present easterly end of Bartlett street, to Dudley street formed one street, such part being included in location of Norfolk and Bristol turnpike (otherwise Dedham turnpike) in 1804; Bartlett street at some time before it was so named called Perrin's lane; the present Bartlett street was called Cottage street; the street (now part of Washington street) commencing on Washington street, at City Hotel (which stood where Zeigler street now is) and running south to the present Bartlett street, also named Bartlett street July 31, 1848, making a continuous street from Washington street across Dudley street around to Dudley street again at Eliot square; the part of same from Dudley street, north, to Washington street named Guild row, and the part from Dudley street, south, to present easterly end of Bartlett street included in Shawmut avenue, Dec. 28, 1857, leaving Bartlett street as it now is; said Guild row and Shawmut avenue south of Dudley street included in Washington street, June 16, 1874.

* **Bartlett street**, Chsn., 1810; from Monument square to Walker street; from Elm street, north-west, to Pleasant (now Pearl) street nearly parallel with Summer street conveyed to the Town by Oliver Holden, July 17, 1810; shown in 1818 from Elm street to Sullivan street; from Elm street, north-west, to Walker street accepted, Nov. 28, 1831; continued south-east to Concord street, Sept. 1845; laid out to Concord street (now Monument square), May 4, 1847.

Bartlett terrace, Rox., 1896; from Washington street, north-west, near corner of Bartlett street.

* **Barton court**, B., 1868; from Barton street to Brighton street; shown as a passageway on Hale's plan, 1820; called Short Second street, 1849, and later Little Napier street; latter name changed to Barton court, April 21, 1868.

* **Barton street**, B., 1825; from Milton street, north-east, across Leverett street to Lowell street; part from Leverett street, north-east, shown as extending 250 feet therefrom and called Barton street or court in 1825, and as extended to Lowell street in 1836; this part probably nearly in position of a "40-feet highway" shown as extending from another "40-feet highway" (Leverett street) to the river on plan made in 1725, and said "40-feet highway" probably same as Bury (or Berry) lane on Osgood Carleton's plan, dated 1800, and afterward closed and included in Alms-House estate; other part of Barton street from Leverett street, south-west, originally Second street, 1809; from Leverett street, opposite Alms-House yard, south-west, to point 33½ feet beyond 18-foot passageway (Barton court) on Hale's plan, 1820; accepted and recorded as a public street, May 12, 1828; confirmed as such, Sept. 15, 1834; name changed to Napier street, April 25, 1855; Napier street extended, south-west, to Milton street, Oct. 5, 1863; name changed to Barton street, April 21, 1868. - L 268.

- Barton-street place**, B.: from Barton street, south-east; Second-street court or place, 1835; Napier-street place, 1855; Napier place, 1868; greater part included in the extension of Chambers street, June 7, 1893.
- Barton's point**, B., 1712; at the foot of Leverett street; called Black-stone's point, 1708.
- Basto place**, W. Rox., 1869; from Washington street (formerly Shawmut avenue), near junction of Poplar street, north-west; extended to Brandon street and name changed to Corinth street, Nov. 25, 1882. L 1666.
- * **Batavia street**, Rox., 1883; from St. Stephen (formerly Falmouth) street, to Parker street; laid out, May 11, 1893. L 2507, L 2508.
- * **Batchelder street**, Dor., 1883; from Clifton street to Pontine street; laid out from Clifton street to Marshfield street, Oct. 29, 1884; extension from Marshfield street to Pontine street laid out, Aug. 10, 1894. L 1828, L 1829, L 2611.
- Bateman place**, So. B., 1876; from N street, west, between East Seventh street and East Eighth street.
- Bates place**, B., 1863; from Kneeland street, south, between Washington street and Whitmore street (formerly Kneeland place).
- Bates place**, Rox., 1848; from Roxbury (formerly Washington) street near Eliot square, north; formerly called Washington court; now called Roxbury terrace.
- * **Bates street**, Chsn., 1854; from Bunker Hill street to Ferrin street; laid out, Jan. 2, 1878. L 1295.
- Bath avenue**, Dor., 1845; from Savin Hill avenue (part formerly part of Glenway) to Springdale street; laid out as Denny street, April 21, 1892.
- * **Bath street**, B., 1806; from Post Office square, south-east, then south to Post Office square again; originally from Water street, south-east, then south to Milk street; called Tanner's lane, 1708; Horn lane, 1795; at one time called Horse lane and then "Bath street or Horn lane;" a portion included in extension of Pearl street to Water street, afterwards Post Office square, Dec. 27, 1873. L 1121.
- Batterman place**, B., 1822-37; from Essex street, opposite Lincoln street; included in Lincoln street, wholly or in part, upon the extension of Lincoln street, south of Essex street, 1836; mentioned until 1848, and a narrow opening shown and so named upon maps as late as 1851; now closed.
- * **Battery alley**, B., 1708; from North (now Hanover) street to Ship (now Commercial) street; originally from Charter street to the North Battery, and part from Charter street to North (now Hanover) street discontinued before 1708; name written also Battrey alley; sometimes called Daggett's alley or lane, 1789-1823; named Battery street, Nov. 7, 1825.
- Battery lane**, Chsn., 1714; from Maudlin street to Battery (now Water) street; called Carriggs court in 1854; called Carey street, 1875, and Carey court, 1883. Name of Carriggs court given to another passageway leading north-west from Water street, north-east of Carey court or street in 1883.
- * **Battery street**, B., 1825; from Hanover street to East Boston North Ferry, crossing Commercial street; part from North (now Hanover) street to Ship (now Commercial) street, called Battery alley, 1708; also sometimes Daggett's alley or lane, 1789-1823; named Battery street, Nov. 7, 1825; part from Commercial street to North Ferry called People's Ferry avenue, 1854, and also later North Ferry avenue; Battery street extended to include same, Aug. 3, 1880. L 100, L 144, L 207, L 551, L 559, L 1474.

- Battery street**, Chsn., 1714; from the swing-bridge near foot of Maudlin or Mardling street or lane (point now foot of Foss street), east, crossing Wapping street and Henley street, called also "way to battery from swing-bridge," 1785; part east of Wapping street discontinued on establishment of Navy Yard, Jan. 14, 1801; remainder included in Water street, 1802; latter part probably also at times called Water street, from 1780, when Water street and Battery street were straightened and improved.
- *Batterymarch street**, B., 1708; from Liberty square to High street, also branch to Broad street, opposite Custom House street; from Liberty square across Milk street to northerly end of Hamilton street, thence northeasterly to Broad street opposite Custom House street, 1895; from Hallaway's or Hallowell's corner, Milk street, corner of present Batterymarch street, south-east by the South Battery, then south-west through part of the present Purchase street to the lower end of Gibb's lane (now Oliver street), 1708; from Liberty square, including Crab alley or lane, to Foster's wharf, near the South Battery, corner of present Purchase street and Broad street, 1800; part from present terminus in Broad street to Foster's wharf included in Broad street, 1808; name of Hamilton street changed to Batterymarch street, March 1, 1896. L 332, L 333, L 458, L 853.
- Battle street**, Chsn., 1878; from Medford street, north, nearly opposite Lexington street.
- Bauch street**, W. Rox.; from end of Augustus avenue, south-east.
- Baxter place**, B., 1857; from Harvard street, south, near Harrison avenue.
- Baxter square**, So. B., 1873; from E street, south-east, between West Seventh street and West Eighth street.
- *Baxter street**, So. B.; from C street to E street; laid out from D street to E street, Nov. 17, 1868; laid out from D street to C street, Sept. 9, 1887. L 200, L 1097, L 2017.
- Baxter's corner**, B., 1708; corner Summer street and South street, then so called.
- Bay street**, B., 1816; from Washington street, east, near the present Rollins street; closed.
- Bay street**, B., 1833; across Fayette street and Knox street, parallel with Church street; described in 1846, "from Tremont street to rear of Knox street." L 387, L 391.
- Bay street**, Dor., 1869; from Dorchester avenue to N.Y., N.H. & H. R.R.; originally from westerly line land of Lewis Leeds, across end of Leeds street, Midland street, and Spring street to O.C. (now N.Y., N.H. & H.) R.R.
- Bayard street**, Bri., 1890; from Kenneth street to North Harvard street.
- Bay State place**, So. B., 1872; from East First street, south, between I street and K street.
- *Bay State road**, Rox., 1889; from Beacon street to Essex street at Brookline line; laid out from Beacon street to street now called Deerfield street, Oct. 22, 1889; laid out from Deerfield street to Sherborn street, June 7, 1893; laid out from Sherborn street to Granby street, Aug. 15, 1895. L 2184, L 2517, L 2518, L 2716.
- Bayswater street**, E. B., 1875; from Saratoga street, at B., R. B. & L. R.R., south-east, then east and north, to Saratoga street, near Belle Isle inlet.
- Bay-View place**, So. B., 1872; from East Eighth street, near I street, north, then east and west, T shaped.
- Bay-View place**, Rox., 1875; from Rogers avenue, south-west, between Huntington avenue and Ruggles street.

Beach place, Chsn., 1872; from Beach street, south-east; sometimes called Beach-street place. L 1193.

***Beach street**, B., 1708; from Washington street to Federal street; from Orange (now Washington) street, east, to the water, 1708; from Orange street across Rainsford lane (later Front street, now Harrison avenue), 1817; extended east from Front street to Lincoln street conditionally, Sept. 5, 1836; same part accepted, Oct. 16, 1837; extended from Lincoln street to Broad (now Federal) street, Oct. 31, 1837. L 13, L 380, L 616, L 760, L 1021, L 1447.

Beach street, B., 1804; the eastern extremity of Essex street, then so called.

***Beach street**, Dor., 1857; from Commercial (now Freeport) street, to Park street; accepted July 20, 1857. L 651.

***Beach street**, W. Rox.; Beech street, sometimes so called.

***Beach street**, Chsn., 1870; from Medford street to the railroad; called lane to Johnson's wharf in deed, March 27, 1820; called "town-way to river" on plan dated 1837; no record of naming same; name first appears in 1870. L 1193.

†**Beacham street**, Chsn., 1870; from south-west of West street to Mystic river; laid out and accepted, from about 100 feet south-west of West street to Arlington avenue, June 24, 1872.

***Beachmont avenue**, E. B., 1888; from Ashley avenue to Revere line; formerly Butler avenue and later Atlantic avenue; laid out from Ashley avenue to Revere line, July 25, 1888. L 2042, L 2043, L 2044, L 2081, L 2082.

Beacon hill, B., the present site of the State House; formerly Centry, Centuary, or Sentry hill; on Dec. 28, 1752, the Selectmen, having searched the town records, find that the hill on which the beacon stands and which is the property of the Town, is six rods square, and the highway leading up to it from the Common between land of John Alford and of Thos. Hancock is 30 feet in width the whole length; recorded in town records, Jan. 16, 1753.

Beacon-hill place, B., 1847; from Bowdoin street to Mt. Vernon street.

Beacon-hill street, B.; called Bowdoin place, 1820.

***Beacon street**, B. and Rox., 1708; from Tremont street over Beacon hill, passing the Common and over the former Mill-dam of the Boston and Roxbury Mill Corporation and through the marshes formerly part of Brookline to boundary line of Brookline at St. Mary's street; "from near present corner of Beacon and Somerset streets, westerly, through the upper side of the Common and so down to the sea," 1708; the part of the present Beacon street, from Tremont street to a point near corner of Beacon street and Somerset street, formed part of School street, 1708; School street called South Latin School street, 1789; said part of School street included in Beacon street, 1803 (no record of such change); the Mill-dam from Charles street to Sewall's point, in Brookline, projected in 1813; Boston and Roxbury Mill Corporation incorporated and authorized to build same in 1814; Mill-dam begun in 1818, completed and opened to travel, July 2, 1821, road over same being called Western avenue; part of Western avenue from Charles street, west, about 690 feet to channel accepted, Sept. 19, 1831, but no record of naming this part of Beacon street; land covered by the Mill-dam released by the Boston and Roxbury Mill Corporation to the Commonwealth by indenture of June 9, 1854, "to be forever kept open as a public highway;" other parts of Western avenue have been accepted from time to time, usually upon condition, and deeds to comply with condition, all recorded in Suffolk Registers, have been given as follows: Part from part accepted, Sept. 19, 1831, to (Otter) street accepted and named Beacon street, conditionally, April 21, 1857, deed L 716, f. 227; part of Beacon street,

between Otter street and avenue A (not identified) accepted, conditionally, June 23, 1857; part between Otter street and "west end of new block of freestone front houses" (a point about 343 feet west from Otter street) accepted and named Beacon street, conditionally, May 27, 1858, deed L 738, f. 82; part between (George P.) Upham's house (west corner thereof 342 feet west from Otter street) and a point distant 140 feet westerly from the south-west corner of Berkeley street accepted, conditionally, and named Beacon street, Oct. 30, 1861, deed L 829, f. 3; part between Berkeley street and Clarendon street accepted, conditionally, Dec. 23, 1862, deeds L 829, f. 3. and L 867, f. 239; same part accepted and named Beacon street, May 26, 1863; part between Clarendon street and Dedham (now Dartmouth) street accepted, conditionally, and named Beacon street, July 3, 1865, and Oct. 31, 1865, deed in compliance with latter order, L 867, f. 239; "part of Mill-dam road known as Beacon street between east line of Clarendon street and division line between Brookline and Boston where it crosses Mill-dam road" (about 990 feet west from West Chester park, now Massachusetts avenue) laid out, Dec. 7, 1868; no record of laying out or naming the part of the Mill-dam formerly in Brookline from crossing of former Brookline boundary line (about 990 feet west from West Chester park), west to its end at junction of the three roads, Brookline avenue, Beacon street and Commonwealth (formerly Brighton avenue); part of Beacon street in Brookline from Harvard street, east, to the Mill-dam laid out by Norfolk County Commissioners, June, 1851; part thereof thrown into Boston by annexation to Boston of part of Brookline, east of westerly line of St. Mary's street, by chapter 374 of Acts of 1870 accepted, Nov. 4, 1870; boundary line between Brookline and Boston changed from westerly to easterly line of St. Mary's street in 1872. L 374, L 416, L 417, L 647, L 862, L 1194, L 1802, L 1803, L 1804, L 1805, L 1964, L 1981, L 1982, L 1983, L 2184, L 2184, L 2505, L 2759, L 2760.

* **Beacon street**, Bri., 1860; from Brookline boundary line (distant about 440 feet [formerly 520 feet], east, from Chestnut Hill avenue, formerly Rockland street), west, across said avenue and skirting the Chestnut Hill reservoir to Newton boundary line, being a continuation through south part of Brighton of Beacon street from Boston through Brookline; "highway ——— from Centre village in Newton leading easterly through the towns of Newton and Brighton to the line of the town of Brookline" established by Middlesex County Commissioners, June 4, 1850; the part in Brighton of said County way named Beacon street, March 5, 1860; part of said way discontinued and relocated on account of construction of said reservoir. L 2102.

* **Beacon street**, Bri., 1846-1860; name of Avenue street, being part in Brighton of the Brighton branch of the Mill-dam road, namely, from Brookline boundary line to Watertown boundary line, changed to Beacon street Nov. 10, 1846; said road shown as Brighton avenue or road to Mill-dam on plan dated 1825; lines of said road, part being called "Brighton branch or road" and part "Watertown turnpike," defined and established by indenture between the Commonwealth and Boston and Roxbury Mill Corporation, dated Dec. 30, 1856; name of Beacon street changed to North Beacon street, March 5, 1860; name of part of North Beacon street from former boundary line between Brookline and Brighton, west, to Cambridge street at Union square changed to Brighton avenue, Jan. 28, 1884; name of part of Brighton avenue from said former boundary line, west, to Massachusetts avenue at Malvern street changed to Commonwealth avenue, Jan. 24, 1887.

† **Beale street**, Dor., 1871; from Dorchester avenue to Carruth street; laid out from Dorchester avenue to the Shawmut Branch of the O. C. (now N. Y., N. H. & H.) R. R., Nov. 30, 1891. L 2369.

- Bear lane, B.**, 1796; Beer lane from Middle (now Hanover) street to Back (now Salem) street so called, and also Bridge lane and Bur lane; name of "Beer lane or Bridges lane" changed to Richmond street, Jan. 22, 1800; name of that part of Richmond street changed to Parmenter street, Dec. 31, 1870.
- Beard's corner, B.**, 1708; corner of Cow lane and Long lane, now High street and Federal street, then so called.
- Bearse avenue, Dor.**, 1881; from River View avenue, north-east, across Butler street to the marsh; sometimes called Bearse street.
- Bearse street, Dor.**, 1884; sometimes called Bearse avenue.
- Beaumont avenue, Bri.**, 1886; from Washington street, south, next west of Lake street.
- Beaumont street, Dor.**, 1877; from Adams street to Carruth street.
- * **Beaver street, B.**, 1857; from Beacon street, nearly opposite Arlington street, north, to unnamed 30-foot street; accepted, conditionally, from Beacon street, north, to the water (Charles river), July 1, 1857.
- Beaver street, W. Rox.**, 1874-9; from Eliot street to Burroughs street; probably another name for Brewer street.
- Becket street, Dor.**; from Van Winkle street at Dorchester avenue to Codman street; authority to open given by Street Commissioners Nov. 18, 1896.
- Beckford court, Chsn.**, 1856-74; from Main street, north-east, between Salem street and School street; same given Baldwin court in 1854; same called Bickford place on plan 1872; name changed to Linwood place, 1874.
- * **Beckler avenue, So. B.**, 1872; from K street, east, between East Fifth street and East Sixth street; laid out, Feb. 23, 1878. L 1298.
- Bedford avenue, B.**, 1826-42; from Bedford street, south-west, near Rowe place (now Chauncey street); closed.
- Bedford court, B.**, 1844-82; from Bedford street, south, between Columbia street and Kingston street, now closed.
- Bedford court, B.**, 1821-56; from Bedford street, north-east, toward Bedford place, } Chauncey place; called Bedford court, 1821; Bedford place, 1822; laid out with Chauncey place as a continuous highway from Bedford street to Summer street, Jan. 3, 1856, and this new street named Chauncey street, Jan. 5, 1856. L 62.
- Bedford place, B.**; from Bedford street, nearly opposite Harrison avenue, north-east.
- * **Bedford street, B.**, 1821; from Washington street to Summer street; part from Newbury (now Washington) street to Short (now Kingston) street, called Pond street 1708; Pond street called Rowe's lane, 1803; other parts from lower end of Pond street (*i.e.*, from Short [now Kingston] street), north-east, into Church Green by Summer street called Blind lane, 1708; Blind lane called also Pond lane and Rowe's lane; same included in Pond street, 1803; name of Pond street changed to Bedford street, Feb. 7, 1821. Volume 31, page 53. L 286, L 306, L 320, L 598, L 1455, L 1555, L 2201.
- * **Beech street, W. Rox.**, 1825; from Centre street across Washington street to Poplar street; shown as an unnamed lane on plan 1815; named from Centre street near Dr. Draper's by the west end of Poplar street to Clapboard Hill at Dorchester line, May 9, 1825, and so shown on Hale's map of Roxbury, 1832; probably laid out as a highway some time previous; part from Poplar street to Dorchester (now Hyde Park) line discontinued before 1843, at least in part, and now wholly discontinued; sometimes written Beach street. L 2395.

Beech street, Rox., 1857; from Fort avenue to Highland street, a part adjoining the south side of Highland park; name changed to Beech Glen avenue, April 21, 1868; laid out and name changed to Beech Glen street, Oct. 24, 1882.

Beech Glen avenue, } Rox.; from Fort avenue to Highland street, a
 * **Beech Glen street**, } part adjoining the south side of Highland
 park; name of Beech street changed to Beech Glen avenue, April
 21, 1868; same laid out as Beech Glen street, Oct. 24, 1882. L 1660,
 L 1661.

Beer lane, B., 1708; from Middle (now Hanover) street to Back (now Salem) street; called also Bear lane, 1708, and Bridges lane, 1796; "Beer lane or Bridges lane" changed to Richmond street, Jan. 22, 1800; named Parmenter street, Dec. 31, 1870.

* **Beethoven street**, W. Rox., 1869; from Washington street to Arcadia street; accepted as a town way, Sept. 27, 1871; laid out, Sept. 29, 1874. L 967.

* **Belcher lane**, B., 1826; from High street, Fort Hill square, to Atlantic avenue; originally laid out in 1667 from Fort Hill to the water; and said lane extended to low-water mark; prior to 1708 called the "Town way to the Town slip;" called Sconce lane, 1708; also Sconce street, 1784; upper part from Fort Hill to Purchase street called Belcher lane, 1826; confirmed as a public street, Sept. 15, 1834; lower part from Purchase street to Broad street (now Atlantic avenue) called Sconce lane or street as late as 1860, but called Belcher lane from 1848. L 218.

Belcher's lane, B., 1708; from Summer street to Gibbs lane (now Oliver street); on Bonner's plan, 1722, called Belcher's lane from Summer street to Batterymarch street; according to Price's plan, 1769, the part near Summer street called Purchase street and the part near and west of Gibbs lane called Belcher's lane; on Carleton's plan, 1800, included in Purchase street which runs from Summer street to Batterymarch (now Broad) street, including also part of Batterymarch street east of Gibbs lane.

Belcher street, B., 1834; from Fort Hill to Purchase street; another name for Belcher lane.

Belden court, Dor.; from Belden street, east, between Dudley street and Hamlet street; formerly Berkeley court.

* **Belden street**, Dor., 1884; from Dudley street, north-east, crossing end of Hamlet street; Berkeley place laid out as Belden street, Sept. 2, 1884. L 1813.

† **Belfort street**, Dor., 1875; from Dorchester avenue to Saxton street; laid out from Dorchester avenue to Sagamore street, April 4, 1890. L 2218.

Belgrade avenue, W. Rox.; from Brandon street to Beech street.

Belgrade street, W. Rox., 1848; from Canterbury street to Dorchester (now Hyde Park) line at end of Largo (now a discontinued) street; included in Hyde Park avenue as laid out Dec., 1859.

Belknap place, B., 1847; from Joy (formerly Belknap) street, west, south of Hoyt's place.

* **Belknap street**, B., 1734; from Cambridge street to May (now Myrtle) street; laid out as an unnamed passageway 30 feet wide in 1734; called Belknap street same year; also Belknap's lane at times down to 1800; extended, south, to Beacon street, including Clapboard (sometimes called George) street, 1803; confirmed as a public street, Sept. 15, 1834; named Joy street from Beacon street to Myrtle street, Jan. 20, 1851; name given to whole street in 1855; named Joy street, from Beacon street to Cambridge street, Feb. 26, 1855.

- Belknap's alley**, B., 1744; from Court street to Brattle square; called also Hiller's or Hillier's alley or lane and Gay alley; discontinued, conditionally, but probably not actually, Sept. 10, 1817; Brattle street extended through it, 1820.
- Belknap's lane**, B., 1787; from May (now Myrtle) street to Cambridge street; Belknap street (now Joy street) so called at times down to 1800.
- Belknap's yard**, B., 1788; between Court street and Brattle street; the present Cornhill made through it in 1816.
- Bell alley**, B., 1708; from Middle (now Hanover) street to Clark's (now North) square opposite the North Church; Prince street extended through, July 11, 1833; all that part not coming within the lines of the extension of Prince street discontinued, Dec. 30, 1833.
- Bell court**, So. B., 1872; from D street, north-west, to O. C. (now N.Y., N. H. & H.) R.R.; called Bells court in 1884.
- ***Bell street**, W. Rox., 1888; from Chestnut avenue to Lamartine street; formerly called Cedar avenue; laid out as Bell street, Oct. 23, 1888. L 2098, L 2168.
- Bella Vista**, W. Rox., 1849; from South street, near junction of Forest Hills (now Morton) street, north-west; now an unnamed way over grounds of the Arnold Arboretum.
- Belle avenue**, W. Rox., 1870; from Baker street, south, adjoining the west side of West Roxbury Branch of B. & P. (now N.Y., N. H. & H.) R.R.
- Bellevue**, So. B., 1837; City lands, commonly known as the Farm, on which Houses of Industry, Correction and Reformation were situated, named Bellevue, Feb. 27, 1837.
- Bellevue avenue**, W. Rox., 1872; from junction Washington street and Beech street to Dudley avenue; called Bellevue street in 1874; and Bellevue avenue in 1890.
- Bellevue avenue**, W. Rox., 1860; name of Lyon street in westerly part of town (from Centre street by Lyon's) changed to Bellevue avenue, April 2, 1860; commonly called Bellevue street.
- Bellevue park**, W. Rox., 1874; from Robin street to Adelaide terrace; Bellevue street extended over, June 21, 1887.
- ***Bellevue street**, Dor., 1848; from Columbia street, at Glendale street, across Quincy street to Barrington street; formerly from Bowdoin street (at Eaton square) to Columbia street; located Feb. 21, 1848; name of part from junction with Quincy street, which is a continuation of said Quincy street, to Bowdoin street, changed to Quincy street, March 1, 1886; part between Quincy street and Kane street laid out (over a part of Bellevue terrace) June 19, 1889; authority to open from Kane street to Barrington street, given by Street Commissioners, Oct. 13, 1896. L 790, L 1558, L 2137.
- ***Bellevue street**, W. Rox., 1860; from Centre street to Adelaide terrace; street from Centre street by Lyon's named Lyon street, May 9, 1825; same shown as Bellevue street in 1848; name of Lyon street changed to Bellevue avenue, April 2, 1860, but street commonly called Bellevue street thereafter; extended from Oriole street to a private way called Adelaide terrace, in part over a private way called Bellevue park, June 21, 1887; part now included in Parkway, West Roxbury. L 1054, L 2805.
- ***Bellevue street**, Rox., 1862; from Longwood (now Francis) street to Brookline avenue; from Pilgrim street (now Longwood avenue), south-west, 1849; called Cedar street from Francis (formerly Longwood) street to Elm street (now Longwood avenue), 1850-1857; same part called Bellevue avenue, 1862; accepted, conditionally,

- Sept. 28, 1863; Bellevue street extended from Longwood avenue to Brookline avenue, over private way called Maple avenue, Feb. 14, 1887. L 1976, L 1977.
- Bellevue street**, W. Rox.; from junction Washington street and Beech street to Dudley avenue; now called Bellevue avenue. L 1996, L 1997.
- Bellevue street**, W. Rox., 1848; from Spring street.
- Bellevue terrace**, Dor., from Quincy street; laid out as Stanley street, Kane street and Bellevue street, June 19, 1889.
- *Bellflower street**, Dor., 1884; from Dorchester avenue to Boston street; laid out, May 8, 1894. L 2613.
- Bellingham place**, B., 1885; from Revere street, north, between West Cedar street and Revere-street place; called Sherman place, 1847; May-street court, 1849; Revere-street court 1858; Hill place or Hill court, 1867.
- Bellows place**, Dor., 1851; from Dorchester avenue, west, between Richmond street and Codman street.
- Bellows place**, Chsn., 1854; from 20 Walnut street, north-west; formerly called Dennis place.
- Bells court**, So. B.: from D st., north-west, to O.C. (now N.Y., N. H. & H.) R.R.; sometimes called Bell court.
- Belmont avenue**, B.; from Clinton street, north, to Richmond street; between Essex avenue and Revere avenue; now built over.
- Belmont avenue**, W. Rox., 1849; from Florence street, at Mt. Hope station, to Poplar street; called Alpine avenue in 1847; Belmont avenue in 1843-49; Brown's avenue in 1855; accepted as Brown avenue, March 29, 1869.
- Belmont court**, B., 1857; from Belmont (now Oliver) street, north-east, between High street and Purchase street, nearly opposite Lane place; not in directory after 1868, and apparently now a court without a name.
- Belmont place**, E. B., 1863; from Everett street, north-east, between Cottage street and Lamson street.
- *Belmont square**, E. B., 1833; between Seaver, Sumner, Webster and Lamson streets; laid out and accepted as a public square, April 4, 1853, and deed passed April 5, 1853.
- Belmont street**, B., 1844; from Washington place (now Fort Hill square) to Broad street (now Atlantic avenue); called Gibbs lane, 1708; name changed to Belmont street, Sept. 23, 1844; included in and name changed to Oliver street, April 21, 1868. L 298, L 299, L 300, L 301.
- Belmont street**, Rox., 1848; from Ruggles street to Vernon street, near Cabot street; called Suffolk street, 1830; laid out as Haskins street, July 31, 1886. L 1925.
- *Belmont street**, Chsn., 1845; from Bunker Hill street to Medford street, between Webster street and North Mead street; laid out, July 23, 1861.
- †Belvidere street**, Rox.; from West Chester park (now Massachusetts avenue) to West Newton street, near junction of Falmouth street; a small part east of Dalton street, on land of B. & A. R.R. Co., being a proposed street; laid out from West Chester park to Dalton street, June 7, 1890. L 2230, L 2311.
- *Bendall's lane**, B., 1882; from Fanueil Hall square to North street; a public footway; City Solicitor decided, Sept. 23, 1879, that it was public; named, Feb. 27, 1882. L 2707.
- Benevento street**, E. B., 1895; from Wauwatosa avenue to Waldemar street.

- ***Benedict street**, Chsn., 1887; from Rutherford avenue to Lawrence street; Edmands court laid out from Rutherford avenue, and extended to Lawrence street with name of Benedict street, July 2, 1887. L 1999.
- Bennet avenue**, B., 1839; from North Bennet street to Prince street; School alley, 1732; Grammar alley, 1795; Prince-street avenue, 1833; called Bennet avenue, 1839.
- Bennet place**, B., 1816; from Bennet (or South Bennet) street, north, near Harrison avenue; was sometimes called South Bennet place.
- Bennet place**, B., 1834; from North Bennet street, south-west, near Hanover street; called North Bennet place, 1858.
- Bennett place**, E.B., 1875; from 24 White street, north, nearly opposite Marion street.
- ***Bennet street**, B., 1708; from Middle (now Hanover) street to Back (now Salem) street; commonly called North Bennet street.
- ***Bennet street**, B., 1732; from Washington street to Harrison avenue; from Orange (now Washington) street, opposite Harvard (now Hollis) street to the sea, 1732; named by Selectmen, July 4, 1788; extended to Front street (now Harrison avenue), 1805; sometimes called South Bennet street.
- ***Bennett street**, Bri., 1858; from Market street, west, crossing Parsons street; laid out from Market street to Parsons street, Feb. 19, 1858; accepted, March 8, 1858; named, March 5, 1860; extended west from Parsons street, July 16, 1885. L 1871, L 2015.
- Bennet-street avenue**, B., 1846; now Bennet avenue.
- Bennington place**, E.B., 1848-9; from Bennington street; not identified.
- †**Bennington street**, E.B., 1831; from Central square to Walley street, on Breed's Island; laid out from Chelsea street to a point about 260 feet from south-east line of land of Eastern R.R. Co. (now B. & M. R. R.), Aug. 7, 1848; to Swift street, Aug. 7, 1848; accepted from Central square to Chelsea street, April 26, 1858; triangle at junction of Chelsea street, Nov. 1, 1858; at junction of Bremen street, July 23, 1862; extended from Swift street to Wordsworth street, Sept. 2, 1885; extended from Wordsworth street to Saratoga street, on Breed's Island, Nov. 8, 1886; extended from Saratoga street to Ashley avenue, now Walley street, July 3, 1888. L 689, L 690, L 691, L 692, L 971, L 1880, L 1881, L 1882, L 1960, L 1961, L 2072.
- Bentley street**, Bri.; from Henshaw street to Sparhawk street; authority to open given by Street Commissioners, June 12, 1893.
- Benton street**, Rox., 1859; from Tremont street to Berlin street (now Columbus avenue); shown as an unnamed street in 1849.
- Berkeley court**, Dor., 1874; from Belden street (formerly Berkeley place) near Dudley street, south-east; now Belden court.
- Berkeley place**, Dor., 1868; from Stoughton (now Dudley) street, north east, crossing end of Hamlet street; laid out as Belden street, Sept. 2, 1884. L 1813.
- Berkeley square**, B.; parts of Boylston street and Newbury street, between Berkeley street and Clarendon street in front and rear of grounds of Institute of Technology and Natural History Rooms, so called at one time.
- ***Berkeley street**, B., 1858; from Tremont street, opposite Dover street, to Beacon street; called avenue I. on plans of Back Bay land dated 1854; laid out from Tremont street to Chandler street, April 7, 1868; laid out from Chandler street to land of Boston & Prov. (now N.Y., N.H. & H.), R.R. Corporation, Oct. 27, 1868; laid out from Stanhope street to Providence street, Nov. 17, 1868; laid out from Providence street to Beacon street, July 24, 1873. L 189½, L 354, L 374, L 410, L 447.

- Berkshire street**, Dor.; from Westmoreland street to Beaumont street.
- Berkshire street**, B.; shown on Hale's map of 1814, parallel, and west of, Shawmut avenue.
- Berlin street**, B., 1843; from East Canton street to Hamburg street; made a part of Mystic street, 1845.
- Berlin street**, B., 1857; from Pleasant street to Church street; called Pleasant-street court, 1829; named Berlin street, 1857; name changed to Tennyson street, April 20, 1869. L 387, L 397.
- Berlin street**, Rox., 1858; from Columbus avenue, a short distance north of Davenport street, to Walpole street; part of included in the extension of Columbus avenue, Jan. 4, 1895.
- Bernard street**, Dor., 1884; from Cemetery lane or street, to Harvard street; probably extended through Cemetery lane or street, or Burying-place lane, to Norfolk street; part south of Harvard street shown as Warner avenue at one time.
- Bernice street**, Dor.; from Preston street to Ashland street.
- Bernier square**, Rox.; junction Bernier street, Bellevue street, Woodstock street and Plymouth street.
- Bernier street**, Rox., 1874; from Brookline avenue, crossing end of Plymouth street to Brookline line; part between Brookline avenue and Plymouth street, called Leyden street in 1849.
- Berry lane**, B., 1733; from Leverett street, east. (Closed by erection of the almshouse in 1803.)
- Berry street**, B., 1803; from Federal street to Atkinson (now Congress) street; called Bury street, 1732; sometimes called Bury lane; named Barracks lane by Selectmen in 1788, but name not used; called Berry street, 1803; name changed to Channing street, July 14, 1845.
- *Berry street**, Dor. and W. Rox., 1840; from Canterbury street to Sutton street; formerly from Ashland street by Calvary and Mt. Hope cemeteries to Canterbury street nearly opposite Mt. Hope avenue; named in Dorchester from Back (now Harvard) street to Roxbury line, March 11, 1840; part in West Roxbury called South Short street in 1849; part of, in Dorchester, near Roxbury line, which runs north-easterly, called Pain's lane in 1855; part from Back street running north-westerly to beginning of Pain's lane included in Oakland street, Sept., 1856; date of naming of present street which comprises Pain's lane and South Short street, unknown; part between Sutton street and entrance to Calvary cemetery discontinued, July 6, 1892. L 1325, L 2409, L 1686, L 2489.
- Berry street**, W. Rox., 1872; from Central avenue (now Cornell street), north, crossing Brook street, between Orange street and Hill street; authority to open extension to Aldrich street given by Street Commissioners, Dec. 1, 1891.
- Bertram street**, Bri.; from North Harvard street to Rena street.
- Bertram street**, Dor.; from Neponset avenue, east and then north, between Freeport street and Tolman street.
- *Berwick park**, B., 1869; from Columbus avenue, west, to B. & P. (now N.Y., N. H. & H.) R.R.; portion of Pembroke street lying west of Columbus avenue named Berwick park, Dec. 21, 1869. L 502, L 516, L 536, L 992.
- Berwick road**, Bri.; from Commonwealth avenue to Chiswick road.
- Berwick street**, W. Rox., 1895; from Baker street to Barnes street; authority to open given by Street Commissioners, May 3, 1895.
- Bessom court**, E. B., 1848; from Webster street, north-east, between Cottage street and Orleans street.
- Bethel place**, B., 1843-49; from north side of Sun-court street.

Bethel court, } B.; from Anderson street, west, on north side of
Bethel place, } Bethel church; called Bethel court, 1864; Bethel place,
 1867.

Bethune's corner, B., 1732; corner of Summer street and Newbury (now Washington) street, then so called.

***Beverly street,** B., 1807; from Charlestown street to Warren bridge; laid out and named from Charlestown street to Causeway street, Aug. 3, 1807; extended to Warren bridge by Fitchburg R.R. Co., in pursuance of Act of Legislature, passed April 20, 1847; accepted and named by City, July 30, 1849. Vol. 31, p. 102. L 1710.

Bickford avenue, Rox., 1875; from 105 Heath street, north-west, between Parker street and Lawn street.

Bickford place, Chsn., 1872; from Main street, north-east, between Salem street and School street; formerly Beckford court; now Linwood place.

***Bickford street,** Rox., 1872; from Heath street to Centre street; laid out from Heath street to Bromley park, Sept. 20, 1876; extended to Centre street, July 24, 1883. L 1183, L 1574, L 1721.

Bicknal avenue, Rox., 1878; from Roxbury street, between Shawmut avenue and Washington place; also called Bicknell place and Bicknell avenue.

**Bicknal }
 Bicknell }** avenue, Dor., 1875; from Harvard street to White (now Bradshaw) street; formerly from Harvard street, north, and parallel with Sanborn avenue; laid out as Bicknell street, from Harvard street to White street, Dec. 14, 1894.

Bicknell place, Rox., from Roxbury street, north, between Shawmut avenue and Washington place; also called Bicknal avenue and Bicknell avenue.

***Bicknell street,** Dor., 1894; from Harvard street to Bradshaw street; Bicknell avenue laid out as Bicknell street, Dec. 14, 1894. L 2674.

† **Bigelow street,** Bri., 1858; from Newton street to Washington street at Oak square, with branch running south-east to Brooks street across end of Dunboy (formerly Everett) street; from Newton street to Faneuil street at Oak square with above branch, 1858; laid out so as to intersect the new County road (Faneuil street) proposed by Commissioners, July 8, 1872; accepted, Aug. 14, 1873; laid out, Dec. 18, 1873; accepted, conditionally, Dec. 30, 1873; extended from Faneuil street at Oak square to Washington street at Oak square, Aug. 14, 1882; extended from a point south of Webster street to Brooks street, Nov. 2, 1891. L 1632, L 2353, L 2354.

Bill and Smith's corner, B., 1732; corner Sudbury street and Hawkins street, then so called.

***Billerica street,** B., 1837; from Causeway street to Minot street; accepted, conditionally, Nov. 18, 1844, and finally, 1851.

Billings court, B., 1849, from Friend street, north-east, near Hanover street; included in the extension of Washington street to Haymarket square, Nov., 1872.

Billings place, Rox., 1869; from Parker street, north-west, near Alleghany street; Hillside street extended to Parker street in part over Billings place, April 27, 1882. L 1607.

Billings place, W. Rox., 1849; from Centre street, north-west, near Mt. Vernon street; included in La Grange street as laid out Oct. 1869.

† **Billings street,** W. Rox., 1888; from Spring street to south-east of Prospect street; known as Franklin avenue, 1870 to 1888; laid out from Spring street to Hamilton street, Sept. 28, 1888. L 2095.

Billings street, W. Rox., from Centre street, north-west, to Elmwood street, near Baker street.

- Bills corner**, B., 1732; corner Ship (now North) street, and Whitebread alley (now Harris street), then so called.
- Bills court**, Rox., 1848; from Ruggles street, north, between Mechanic street and Field street
- Binford street**, S. B., 1897; from A street between Richards street and Congress street, south-east; authority to open given by Street Commissioners Jan. 17, 1897.
- Binney place**, Rox., 1848; from Albany street, south-east, between Yeoman street and Hampden street.
- Binney street**, Rox., 1850; from Francis street between Vila street and Brookline avenue, north-east, crossing Longwood avenue.
- † **Birch street**, W. Rox., 1876; from South street at junction of Brandon street to Dudley avenue, crossing end of Prospect (now Penfield) street; name of Maple street (from South street to Prospect street) changed to Birch street, Dec. 5, 1876; laid out from South street to Prospect (now Penfield) street, Nov. 24, 1879; extended as a private way from Prospect street to Dudley avenue, 1886. L 1405.
- Birch street**, Dor.; from Lauriat avenue to Chapman avenue.
- Bird lane**, S. B., from G street, east, between E. Fifth street and E. Sixth street, called Story street, 1873; laid out as Story street from G street to H street, June 30, 1890.
- Bird** }
Bird's } lane, Dor., 1874; from River street, north-west, towards Oakland street, crossing N.E. R.R. near Hyde Park line; sometimes called Baldwin's lane; shown as Randolph road in 1894.
- Bird place**, } Dor., 1871; from Bird street, south-east; called
Bird-street place, } Bird place, except in the order to include in extension of Glendale street, Dec. 19, 1878, where it was called Bird-street place. L 1340.
- * **Bird street**, Dor., 1854; from Magnolia street to Columbia street, crossing the N.E. R.R.; laid out, March 1, 1869. L 1552, L 2019.
- Bird's avenue**, W. Rox., 1874; from Centre street, north-west, opposite Bellevue street.
- * **Bishop street**, W. Rox., 1871; from Newbern street to Call street, crossing Everett street; laid out, April 16, 1877. L 1229.
- Bishop's alley**, B., 1708; from Summer street to Milk street; called Board alley, 1792; Bishop's lane in 1796; named Hawley street, Dec. 10, 1799; called Bishop's alley as late as 1807.
- Bishop Stoke street**, B., 1732; a 25-foot street from Beacon street, north, 160 feet west of Belknap (now Joy) street; discontinued before 1800, part of being now within the limits of Walnut street.
- Bismarck street**, Rox., 1871; from Blue Hill avenue, east, south and south-west, to Blue Hill avenue again; name changed to Rand street, Dec. 30, 1871; southerly part of Rand street, near Blue Hill avenue, included in Brookford street, July 6, 1883.
- Bismarck street**, Dor., 1872; from Hersey street, south-west, crossing Oakland street between Favre street and Haven avenue.
- Bismarck street**, W. Rox., from Boylston street, south-west, parallel with Brookside avenue and crossing end of Germania street.
- Blaban place**, Chsn., 1852; from Pearl street, north-west, near Medford street, sometimes called Blavan place.
- Black Horse lane**, B., 1698; from Middle (now Hanover) street towards Charlestown Ferry; extended as a highway 24 feet wide from lower end to Charlestown Ferry, Jan. 25, 1702; called Prince street, 1708.
- * **Blackinton street**, E. B., 1895; from Walley street to Leyden street; laid out June 7, 1895. L 2704.

- Black Jack Alley**, B.; an early name for part of Devonshire street, between Water street and Milk street.
- Blackstone square**, B., 1832; between Washington street, Brookline street, Shawmut avenue and Newton street
- ***Blackstone street**, B., 1834; from junction of Fulton street and Clinton street to Haymarket square crossing Ann (now North) street and Hanover street; portion near Hanover street mentioned in City Records, May 3, 1708; from Clinton street to North street Aug. 10, 1824, laid out from Fulton street and Clinton street over the entire length of the Mill creek to Cross street and Charlestown street at Haymarket square, Oct., 1833; named, Sept. 22, 1834; after laying out and previous to naming sometimes called Creek street and Canal street; easterly part from Ann (now North) street, east previously called Royall's alley. L 130.
- Blackstone's point**, B., 1708; at the foot of Leverett street; called Barton's point 1712.
- Blackwell street**, Dor.; from Neponset avenue to Bowman street.
- ***Blackwood street**, Rox., 1880; from St. Botolph street, between Cumberland street and Albermarle street, to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Jan. 19, 1880. L 1427.
- ***Blagden street**, B., 1889; from Huntington avenue to Exeter street; this part of St. James avenue named Blagden street, March 1, 1889. L 410, L 862, L 1266, L 1699.
- Blaine avenue**, Bri., south from Braintree street, near and east of Everett street; laid out as Blaine street, July 14, 1891.
- ***Blaine street**, Bri., 1891; south from Braintree street, near and east of Everett street; formerly Blaine avenue; laid out, July 14, 1891. L 2314.
- Blake street**, So. B., 1872; from Boston street to Dorchester avenue, opposite Kemp street.
- ***Blakemore street**, W. Rox., 1880; from Hyde Park avenue to junction of Brown avenue and Florence street near Mt. Hope station; laid out, with bridge over B & P. (now N.Y., N.H. & H.) R.R., July 1, 1880. L 1467.
- Blake's court**, B., 1831; from Washington street, east, between Malden street and Waltham street; reaching to Front street (now Harrison avenue) on extension of the latter in 1834; accepted, conditionally, June 27, 1853; accepted and named Union Park street, Oct. 16, 1860. L 180, L 181.
- ***Blakeville street**, Dor.; from Bowdoin street to Olney street; laid out, June 19, 1890. L 2231.
- Blanchard court**, B., 1849; from Washington street, west, between Groton street and Dover street; called Hawthorn place after 1842.
- Blanchard court**, B., 1849-53; from Washington street, west, near Warren or Pleasant street.
- ***Blanchard place**, } Rox.; from Bartlett street to Norfolk street; called
- ***Blanchard street**, } Blanchard place, 1848; laid out, July 20, 1875; named Blanchard street, Aug. 17, 1875. L 1060.
- Blanche court**, B., 1844; from Tyler street, east, south of and near Kneeland street; called Munroe place, 1857.
- ***Blanche street**, Dor., 1885; from Greenhill street, north, then at a right angle, east, to Capen street; Harrison street laid out with name of Blanche street, July 21, 1885. L 1873.
- Blandford street**, Rox., 1894; from Commonwealth avenue opposite Sherborn street to B. & A. R.R.
- Blavan place**, Chsn.; from Pearl street, north-west, near Medford street; Blaban place sometimes so called.
- Bleiler court**, Rox., 1881; from Heath place, east.

Blind lane, B., 1708; from the lower end of Pond street at Short (now Kingston) street, north-east, to Church green, Summer street; sometimes also called Pond lane and Rowe's lane; Pond street extended through it to Summer street, 1803; Pond street named Bedford street, 1820.

Bloomfield street, Dor.; from Geneva avenue to Greenbrier street.

Bloomington street, Dor.; from Tolman street, north, and then east to Eaton street.

Blossom court, B., 1826; from Blossom street, east, between Cambridge street and Emmett place.

Blossom place, B., 1826; from Blossom street, east, between Emmett place and Parkman street.

***Blossom street, B.**, 1803; from Cambridge street to Allen street; from Cambridge street, north, across Vine (now Parkman) street, 1803; laid out from Cambridge street to North Allen (now Allen) street, Dec. 10, 1817. L 1754.

Blossom street, Chsn., 1828; from Bunker Hill street to Vine street; now a part of Decatur street.

Blossom-street place, B., 1843; from Blossom street, east, opposite Fruit street; called Seabury place, 1844.

Blott's lane, B., 1690; from Newbury (now Washington) street to the Common; probably so called prior to 1708; called Willis' lane, Banister's lane, and Bolt's lane; named Winter street, 1708.

Blue Hill avenue, E. B., 1876; from Orient avenue to Washburn avenue (now Walley street) between Water avenue and Farrington street; now Overlook avenue.

***Blue Hill avenue, Rox., Dor. and W. Rox.**, 1870; from Dudley street to Milton line; part in Roxbury from present Quincy street, north-west as far as junction of present Dennis street and said avenue named as a part of Dennis street, May 9, 1825; part from Warren street to Dudley (formerly Eustis) street including above part of Dennis street named as a part of East street. Aug 29, 1842; East street from Warren street to Dudley (formerly Eustis) street, named Grove Hall avenue, Dec. 8, 1851; part from Warren street to Milton line constructed by Brush Hill Turnpike Corporation, location being filed Sept., 1805, and called Brush Hill turnpike, sometimes also avenue; this turnpike laid out over a part of Canterbury street, near Roxbury and Dorchester line; part in Dorchester from Milton line to highway near shore of George L. Fisher laid out as a public highway, Dec., 1849; franchise relinquished by proprietors of the corporation, Oct. 13, 1856; remainder of street as far as Warren street in Roxbury, not before public, laid out as a public highway, Dec., 1856; name of Grove Hall avenue extended over part in Roxbury from Warren street to West Roxbury line at Seaver street, Jan. 28, 1867; Grove Hall avenue (from Dudley street to Seaver street) and Brush Hill avenue (from Seaver street to Mattapan) named Blue Hill avenue, Oct. 25, 1870; relocated at a width of 120 feet, from Washington street at Warren street to River street, Mattapan, Nov. 5, 1894. L 489, L 490, L 491, L 809, L 889, L 890, L 1085, L 1283, L 1400, L 1401, L 1410, L 1435, L 1494, L 1995, L 2345, L 2380, L 2478, L 2621, L 2622, L 2623, L 2624, L 2625, L 2626, L 2627, L 2628, L 2629, L 2630, L 2631, L 2632, L 2748, L 2749.

Board alley, R., 1769; from Milk street, nearly opposite Oliver street; called Parrott's alley in list of 1800; now closed, being part of land occupied by the Mason building.

Board alley, B., 1792; from Summer street to Milk street; called Bishop's alley, 1708; called Board alley, 1792; Bishop's lane, 1796; called Hawley street, 1800.

- Board alley**, B., 1833; from Charter street to Commercial street, between Lime alley and Foster street; named Jackson avenue, 1837.
- Board alley**, B., 1848; from Cow lane (now High street) opposite and slightly east of end of Long lane (now Federal street) to Belcher's lane (now Purchase street); called Crooked alley, 1708; Brick alley, 1788; Board alley in 1848; shown as Board alley on plans as late as 1870, but now closed.
- *Board alley**, B., from Hanover street to North street, between Richmond street and Mechanic street; called Gallop's alley, 1708; Board alley, 1834.
- Bodwell park**, } Dor., 1879; from Columbia street to Bird street;
***Bodwell street**, } Bodwell park shown as a private street 24 feet wide extending about 430 feet south from Bird street in 1879; extended as a private way to Columbia street in 1882; laid out as a public street with name of Bodwell street, July 31, 1884. L 1797.
- Bog lane**, B., 1788; part of Distill-house square or Still-house square, leading north-west from Sudbury street, sometimes so called; same part of said square named Adams street, Sept. 9, 1850; widened and name changed to Bowker street, April 20, 1868.
- Bolster street**, Rox., 1887; from Wyman street, to Mozart street.
- Bolton avenue**, E. B., 1876; from Ashley avenue, between Jones street and Brimmer avenue, north-east, to Revere line; called Bolton street in 1896.
- Bolton court**, S. B., 1874; from Bolton street to W. Third street, between A street and N. E. R.R.
- Bolton place**, So. B., 1873; from Bolton street, north-east, north-west of N. E. R.R.
- Bolton place**, Chsn., 1861; from High street, opposite Franklin street, north-east; shown as part of Bolton street in 1818.
- *Bolton street**, So. B., 1846; from Dorchester street., between W. Second street and W. Third street, to W. Second street, crossing N. Y. & N. E. (now N. E.) R.R.; laid out from C street to D street, July 1, 1862; from D street to E street, May 5, 1873; from B street to C street, April 11, 1874; from C street to D street, apparently a second time, Oct. 22, 1874; from E street to F street, May 31, 1875; from F street to Dorchester street, June 9, 1879; from B street to N. Y. & N. E. R.R., Aug. 23, 1880; from W. Second street to N. Y. & N. E. R.R., Dec. 26, 1884. L 246, L 855, L 921, L 979, L 1047, L 1355, L 1476, L 1842.
- *Bolton street**, Chsn., 1818; shown in 1818 as extending from Main street to unnamed street in position of present Russell street; part from Main street to High street accepted, April 5, 1874, and then "known as Franklin street;" from High street to Russell street never accepted and the only part now existing known as Bolton place.
- Bolt's lane**, B.; before 1708 from Newbury (now Washington) street to the Common; another name for Blott's lane; also called Banister's lane and Willis' lane; now Winter street.
- Bond avenue**, W. Rox.; laid out as Sylvia street, from Washington street to Forest Hills street, July 17, 1891.
- Bond street**, Chsn., 1863; a part at junction of Heath street shown on plan; not identified.
- *Bond street**, B. 1846; from Milford (formerly South Lowell) street to Hanson street; laid out May 5, 1868. L 379.
- *Border street**, E. B., 1833; from Condor street along the west side of Central square across Sumner street to the North Ferry; accepted, conditionally, from Condor street to Sumner street, June 14, 1852;

extended from Sumner street to East Boston North Ferry, over street formerly known as People's Ferry avenue, Aug. 3, 1880. Vol. 31, p. 23. L 207, L 1472, L 1616, L 1864.

Borland's corner, B., 1708; corner Milk street and Long lane (now Federal street), then so called.

Boston avenue, Dor., 1854; Dorchester avenue, so called on plan of laying out.

Boston avenue, W. Rox., 1837; from Willow (now Green) street, north-east, to land of N. D. Williams; but shown in 1849 under name of Lamartine street, as extended only to Boylston street; called Lamartine street, 1848.

***Boston avenue**, Chsn., 1836; from City square to Warren bridge; Warren avenue laid out, accepted, and named Boston avenue, May 2, 1836; no record of change to Warren avenue again, which name it now bears, but given in directories until 1854 as Boston avenue.

Boston Common, B.; bounded by Tremont, Boylston, Charles, Beacon, and Park streets.

Boston place, So. B., 1856; from Dorchester street, near Jenkins street, south-east, to O. C. (now N. Y., N. H. & H.) R.R.

Boston road, Rox., 1833; Centre street, so called.

***Boston street**, Dor. and So. B., 1840; from Dorchester avenue at Swett street to Dudley street junction of Hancock street; named in Dorchester from South Boston line (which then crossed the junction of present Dorchester street and Telegraph street) to the burying-place (Upham's corner), March 11, 1840, but probably commonly so called earlier than 1810; after annexation of Washington Village to South Boston (chapter 468, Acts of 1855) part of, in the territory annexed as far as Dorchester line named as a part of Dorchester street, July 3, 1855; Boston street laid out and variously altered at same time with Hancock street, forming a continuous highway from Meeting-House Hill to Boston, April, 1860; from Dudley street (at Upham's corner) to old Boston line, 1869; part of Dorchester street from Dorchester avenue, south-west, to Boston street, named as a part of Boston street, Oct. 7, 1873. L 195, L 683, L 716, L 865, L 866, L 867, L 1072, L 1073, L 1134, L 1135, L 2288, L 2485, L 2533.

Boston Theatre place, B., 1858; from Washington street, west, south of West street; a passageway in front of and leading to Boston Theatre one block south of Harlem (now an unnamed) place; discontinued some time before 1874.

Boston Wharf streets, So. B., 1855; seven streets laid out in 1855 on South Boston Flats, but never constructed. Two other streets were laid out in 1868, between Mt. Washington avenue and Eastern avenue (now Congress street), but also never constructed. L 27, L 58.

***Bosworth street**, B., 1883; from Tremont street to Chapman place; called Montgomery place, 1825; part of Montgomery place, from Tremont street to Chapman place extended, laid out and named Bosworth street, May 14, 1883; there is a part between the extension of Chapman place and Province street not yet laid out, although used as a way. L 1703, L 1712.

***Bothnia street**, Rox., 1889; from Boylston street to Belvidere street; laid out, Aug. 21, 1889. L 2153.

***Botolph street**, B., 1733; from Cambridge street to Myrtle street, between Garden street and South Russell street; confirmed as a public street, Sept. 15, 1834; named Irving street, April 25, 1855; called also Butolph, Buttolph, or Buttolf.

Bound lane, B., 1788; from Atkinson (now Congress) street to Federal street; probably an error in the list of 1788 for Round lane (now Matthews and formerly Williams street).

***Bourne street**, W. Rox., 1825; from Walk Hill street in a curved line to Canterbury street, at junction with Neponset avenue; named May 9, 1825; probably a public highway some time previous.

Bourneside street, Dor., 1891; from Melville avenue to Park street; authority to open given by Street Commissioners, Oct. 1, 1891.

Boutwell avenue, { Dor.; from Neponset turnpike (now avenue) west,
***Boutwell street**, { north of Ashmont street; called Boutwell avenue in 1858, and shown as crossing Train street; called Carter street in 1869; laid out from Neponset avenue to Train street and named Boutwell street May 31, 1882. L 1613.

***Bow street**, Chsn., 1670; from City square to Washington street; from City square across Rope or Rope-maker's lane (later Arrow street, now part of Washington street) to Town Hill (now Harvard) street at junction with Main street, being semi-circular in form, 1670; name of part extending north-east from Washington street to Harvard street at junction of Main street, changed to Devens street, March 1, 1882. L 1046.

Bow-street court, Chsn., 1852; from Devens street (formerly Bow street), north-west.

Bowditch court, { Rox.; from Warren street, north-west, nearly op-
Bowditch park, { posite Edgewood street; called Bowditch park,
Bowditch street, { 1874; Bowditch court, 1875; Bowditch street, 1884.

†**Bowdoin avenue**, Dor., 1836; from junction Washington street and Bowdoin street to Eldon street, with branch northerly to junction Rosseter street and Union avenue (now Bullard street); a part not contiguous to above from N. Y. & N.E. (now N.E.) R.R., opposite end of Rosseter street, at Eldon street, north-west, then north to junction Columbia street and Geneva avenue; originally projected as extending from Bowdoin street to Columbia street, dividing into two branches near Bowdoin street, as at present, and uniting again near junction of present Hawes avenue and Bowdoin avenue; the construction of the N. Y. & N. E. (now N. E.) R.R. across the two branches without building bridges severed communication between the north and south portions, and later that part of westerly branch between said railroad and junction of present Hawes avenue was discontinued; part of the easterly branch from Bullard street (formerly Maple Grove avenue) north, laid out as a part of Union avenue, Dec. 28, 1869; part from Bowdoin street, north and north-west, to Eldon street, near the railroad, laid out as Bowdoin avenue, Jan. 28, 1880; part of easterly branch from Union avenue (now Olney street) to Eldon street, laid out and named Rosseter street, Sept. 26, 1882; part formerly Union avenue, between Olney and Bullard streets, named Rosseter street, March 1, 1889; also called Mt. Bowdoin avenue. L 1282, L 1432, L 1433, L 1643, L 1781, L 2350.

Bowdoin block, B., 1845-48; Milk street, corner of Hawley street.

Bowdoin court, { B., 1834; from Bowdoin street, west, near Beacon
Bowdoin place, { Hill place; attempt made to close Bowdoin place, 1844, when it was reported to have been used for many years and to be a private way; called also Bowdoin court; taken by Commonwealth in 1893, for State House grounds.

Bowdoin place, B., 1820; from Bowdoin street to Mt. Vernon street; called in directory (1820-45), "south end Bowdoin street," (1846), "south end Bowdoin street to Mt. Vernon street;" in 1843 reduced to an 8-foot passageway and soon thereafter called Beacon Hill place.

Bowdoin place, B., 1818; Bowdoin st., was so called.

Bowdoin row, B., 1825-29; Court street, near Bowdoin square, so called.

***Bowdoin square**, B., 1788; the space between Cambridge, Green, Chardon, Court, and Bulfinch streets. L 11, L 74.

Bowdoin square, Dor., 1870; from Westville street north and south, near Geneva avenue; formerly from Westville street, south, then east at a right angle, then north at a right angle crossing Westville street; shown as a 40-foot street and a contemplated 33-foot street running east from Bowdoin street to said 40-foot street with branch running south and then east to said 40-foot street in 1853; Westville street extended to Bowdoin street through part extending from Bowdoin street, east, Dec. 29, 1880; part south of Westville street shown on atlas 1894 as going to Tonawanda street. L 1513.

***Bowdoin street**, B., 1805; from Cambridge street to Beacon street; part from Cambridge street to near present Derne street laid out as a 40-foot street in 1727, and later known as Middlecott street; part from Middlecott street to Beacon street opened in 1800; called Bowdoin street, 1805; laid out as Bowdoin street from Derne street to Beacon street, Sept. 13, 1816; name extended over Middlecott street to Cambridge street, July 6, 1824.

***Bowdoin street**, Dor., 1801; from Washington street to junction Adams street and Hancock street at Eaton square, forming three sides of the square; accepted March 2, 1801; named from Four Corners (at Washington street) to the Meeting House (Eaton square) April 6, 1801; named again from Captain Eaton's (Eaton square), to the Four Corners, March 11, 1840; the part now forming the south side of Eaton square named as a part of Church street, 1840, was changed to Bowdoin street, March 1, 1882. L 765, L 1006, L 1007, L 1008, L 1009, L 1010, L 1056, L 1057, L 1058, L 1059, L 1414.

Bowdoin's corner, B., 1732; cor. of Tremont row and Southack's court (now Howard street), then so called.

Bowe street, Rox. and W. Rox., 1871; from Centre street between Sheridan avenue (now street) and Wyman street, southwest to Forbes place; included in the laying out of Forbes street, July 28, 1890. L 2174, L 2252, L 2253.

Bowen court, B., 1846-60; from Belknap (now Joy) street, west, opposite Mt Vernon place; closed.

†**Bowen street**, So. B., 1868; from Dorchester street across C street between West Fifth street and West Sixth street; private way called Quincy street named Bowen street, April 21, 1868; laid out from D street to E street, May 5, 1873; from F street to Dorchester street, June 22, 1875; from C street to D street, Sept 23, 1882; laid out for 128 feet west of C street, May 27, 1887; part from E street to F street not yet laid out. L 854, L 1050, L 1640, L 1991.

***Bower street**, Rox., 1844; from Warren street between Lansing street, and Monroe street, to Walnut avenue; accepted and named conditionally, April 1, 1844. L 698, L 1020, L 2120, L 2501.

Bower park, Rox.; from 18 Bower street.

Bower place, Rox.; from 30 Bower street.

Bower terrace, W. Rox.; from 78 South street.

***Bowker street**, B., 1868; from Sudbury street to Chardon street; from end of Hawkins street, north, to the Mill-pond, then southeast to Sudbury street; called Distill square, Distiller's square and Distill-House square; same street named Distill-House square, July 4, 1788; called Still-House square in 1795 and 1800; part from Sudbury street, north-west, called also sometimes Bog lane, 1788; this part named Adams street, Sept. 9, 1850; Adams street widened and name changed to Bowker street, April 20, 1868. L 351, L 552, L 2139, L 2167.

Bowling green, B., 1722; the space between Cambridge street, and Sudbury street and the Mill-pond.

Bowman street, Dor.; from Blackwell street.

Bow's corner, B., 1708; corner Union street and Salt lane, then so called.

***Boyle street**, Chsn., 1891; from Cordis street to Pleasant street; formerly Cordis-street place; laid out, Sept. 28, 1891. L 2338.

***Boylston avenue**, W. Rox., 1858; from Boylston street to Green street; probably first extended from Boylston street only to Stony Brook; called Boylston street in 1868; constructed and continued to Green street, including Glen street, March 29, 1872; accepted April 5, 1872. L 2740.

Boylston court, B., 1831-34; from north side of Boylston street, between Washington street and Tremont street; exact situation not identified.

Boylston court, } B.; from Boylston street, south, opposite the burial
Boylston place, } ground extending nearly to Eliot street, opposite end
 of Warrenton street; called Boylston court, 1820; Boylston place,
 1826; now Boylston place.

Boylston Market place, B., 1820; from Washington street, west, then north to Boylston street adjoining Boylston market (now Boylston building); called also Boylston square and part also called Boylston place.

Boylston place, B., 1828-30; "from west side of Washington street, near Boylston market" (now Boylston building), there were two parallel passageways on land of the Boylston market, both running west from Washington street to the passageway leading north to Boylston street; the southerly one of these probably called as above, but usually both known as part of Boylston square or Boylston Market place; the northerly passage way was formerly the larger, but southerly one only is now open.

Boylston place, W. Rox., 1884; from Boylston street, north-east, near and east of Amory street.

Boylston square, B., 1820; from Washington street, west, then north to Boylston street; the south and west sides of the Boylston market (now Boylston building) laid out in 1809 as a 20-foot passageway; part of called Boylston place, 1828-30; called also Boylston Market place.

***Boylston street**, B. and Rox., 1809; from Washington street by south side of the Common and Public Garden to Back Bay Fens, and then from the west side of the Fens to Brookline avenue; part from Orange (now Washington) street to the sea (near southwest corner of the Common) called Frog lane, 1708; but in 1800 said lane extended only as far as the burying-ground on the Common; Frog lane from South Market place to the south end of the Mall called Boylston street, 1809; called Boylston street from Boylston Market (now Boylston building) to Pleasant street (south-west corner of Common), 1813; extended from Pleasant street to the Back Bay Basin (at present Arlington street), 1843; part from Arlington street, west to Cross-dam (now Parker street) projected as Avenue II. in 1853; projected as Avenue II. to Brookline line, 1855; from Arlington street to Berkeley street accepted, conditionally, May 8, 1865, and finally Aug. 22, 1865; laid out from Berkeley street to Clarendon street, Feb. 8, 1870; from Clarendon street to Dartmouth street May 19, 1873; from Parker street to West Chester park (now Massachusetts avenue) and about 140 feet easterly of said park, Aug. 26, 1878; from Dartmouth street to Hereford street June 8, 1883, from Hereford street to the part leading east from West Chester park, already public, crossing the B & A. R.R., July 6, 1886; part from Berkeley street to Clarendon street, sometimes called part of Berkeley square; extended from west side of Back Bay Fens to

Brookline avenue, Oct. 4, 1894. Vol. 31, p. 3. L 148, L 239, L 282, L 310, L 356, L 374, L 862, L 1296, L 1316, L 1553, L 1585, L 1699, L 1705, L 1706, L 2002, L 2008, L 2606, L 2620.

***Boylston street**, W. Rox., 1825; from Centre street to Washington street; from Centre street, south-east to present junction of Boylston avenue and Boylston street, then east to School street, named Boylston street May 9, 1825; extended from junction of Boylston avenue, south-east to Shawmut avenue (now Washington street), Sept. 8, 1873; name of part from junction of Boylston avenue, east to School street changed to Amory street, March 1, 1882. L 1919, L 2219, L 2676.

Boylston street, W. Rox., 1868; Boylston avenue, so called on plan 1868.

Boylston terrace, W. Rox.; from 426 Centre street, between Boylston street and Paul Gore street.

Boylston's alley, B., 1734; a passageway from the end of that part of Corn hill now a part of Washington street to Brattle street; after 1816, when a new street (called Market street, 1817, and Cornhill, 1828) was laid out from Court street to Cornhill, said alley extending from junction of said street and Cornhill to Brattle street; called also Draper's alley; included in the extension of Washington street to Haymarket square, 1872.

***Boynton street**, W. Rox., 1870; from South street to Call street; laid out, April 15, 1890. L 2220.

***Bradbury street**, Bri., 1891; from Franklin street to Mansfield street; laid out, Aug. 14, 1891. L 2322.

Bradford place, B., 1826; from Mason street, east, between Mason-street place and rear of Boston Theatre building; called Hogg alley, 1708; built over with Keith's Theatre, 1894.

***Bradford place**, Rox., 1846; from East (now Hampden) street, opposite Proctor (now Eustis) street to Magazine street; so called in 1843-49; accepted as a public street, June 19, 1867; name changed to Eustis street, April 21, 1868.

***Bradford street**, B., 1846; from Waltham street, north, to end of Medford court, then west to Shawmut avenue (formerly Suffolk street); named, May 14, 1849; accepted, conditionally, 1855.

Bradford's corner, B., 1800; cor. of Dock square and Union street, then so called.

***Bradlee street**, Dor., 1891; from Washington street to School street, authority to open given by Street Commissioners, June 24, 1891; laid out June 22, 1894. L 2603.

Bradlee's corner, B., 1800; cor. of Dock square and Pierce's alley (now Change avenue), then so called.

Bradley court, B., 1839-61; from Endicott street, east, between
Bradley place, {Cooper street and Thacher street; closed.

†**Bradshaw street**, Dor., 1896; from Glenway street to Sanborn avenue; White avenue laid out as Bradshaw street, from Glenway street to beyond Bicknell street, Jan. 3, 1896; authority to open portion from end of present public street to Sanborn avenue given by Street Commissioners June 16, 1896. L 2752.

Bradstreet, W. Rox., 1860; north-west end of Mt. Hope street, from near Mt. Hope station, south-east; called Bradstreet previous to 1871, when it was laid out as a part of Mt. Hope street.

Bradstreet avenue, W. Rox., 1884; from Mt. Hope avenue or street, south-west; formerly called Weld street by old deed.

Bradstreet court, Chsn., 1868; from Park street, west, nearly opposite end of Joiner street.

Bragdon street, Rox., 1871; from Washington street to Amory street; named from Shawmut avenue (now Washington street) to Amory street, April 28, 1871.

Brahms street, W. Rox., from Washington street, near West Roxbury way to beyond Nikisch avenue.

***Braintree street**, Bri., 1885; from Everett street to Franklin street (formerly Harvard avenue) parallel with and next south of B. & A. R. R.; laid out as a public street, Sept. 6, 1886. L 1944.

Branch avenue, } B., from Charles street to Spruce street, between

***Branch street**, } Beacon street and Chestnut street; called Kitchen street, 1824; called Branch avenue, 1849; accepted conditionally, Dec. 15, 1863, but never finally till it was laid out as a public street and named Branch street, July 26, 1884. L 1795.

Branch avenue, Dor.; from Arcadia street, south, then west to Ditson street.

Branch street, Dor., 1881; from Butler street to Riverview avenue (now Medway street); at north side of Milton Branch R. R.

Branch avenue, } Dor.; from Arcadia street, south-east, then south-

Branch street, } west to Ditson street; shown as an unnamed street in 1874; sometimes called Branch avenue; called Branch street in 1884.

Brandon street, Dor.; from Washington street to Carlisle street; part from Washington street, east, called Baker court or avenue in 1873, and shown as an unnamed court in 1874; later extended east to Carlisle street; also called by abutters Brandon street; laid out and named Brent street, Nov. 12, 1885.

†**Brandon street**, W. Rox., 1881; from South street to Dudley avenue; formerly from South street at junction with Birch street, crossing Dudley avenue and Aldrich street; parallel with and south from B. & P. (now N. Y., N. H. & H.) R.R.; shown as extending from South street westerly, and called Williams street in 1871; shown as Williams street from South street to Dudley avenue in 1874; part from South street to Cottage (now Amherst) street laid out as Brandon street, Sept. 14, 1881; remainder of street after this date called Brandon street; authority to open part from Dudley avenue to near Colberg avenue given by Street Commissioners, Dec. 1, 1891; later, a portion of Brandon street, from Dudley avenue to Belgrade avenue, called Belgrade avenue. L 1557.

Brattle alley, } B., 1708; from Mr. Coleman's church (now corner of

Brattle lane, } Brattle street and Brattle square) to Queen (now Court) street; that part of Brattle street above described, sometimes so called at an early time; called also Dasset's or Dorsett's lane or alley as early as 1755; called Franklin avenue, 1815.

***Brattle square**, B., 1737; from Elm street to Brattle street; a part of Brattle street, 1708; as early as 1737 names of Brattle street and Brattle square used interchangeably for street from Wing's lane (now Elm street) to the church (cor. of present Brattle street and Brattle square), then east to Dock square; same street called Brattle-street square in list of 1800; name of Brattle square restricted to part from Elm street to the church, and name of Brattle street given to other part and to Hillier's lane, 1820.

***Brattle street**, B., 1694; from Washington street at Adams square to Court street at Scollay square, from the middle of Wing's lane (now Elm street) to Mr. Coleman's church (cor. of present Brattle square and Brattle street), thence two ways, easterly to Dock square and southerly to Queen (now Court) street, 1708; on Price's map 1769 and Page's map 1775 represented as running from Wing's lane to Queen street across Hillier's lane, the part from the church to Dock square being made a part of Hillier's lane; the part from the church to Queen street called also at an early time Brattle

alley or lane; called Dasset's or Dorsett's alley, 1755-1817; called Franklin avenue, 1817; the part from Wing's lane to the church called also at times Brattle square, as early as 1737, and Brattle-street square 1800; now called Brattle square; the part from the church to Dock square besides being called Hillier's lane (see above), called at times (with the part from Wing's lane to the church) Brattle square, 1737, and Brattle-street square on Edes' list of 1800, but shown as Cooper's alley on Carleton's map of 1800, and sometimes so called as late as 1818; this part commonly, however, called Brattle square or Brattle street till 1820, when name of Brattle street was extended over whole street from Court street to Dock square, the part leading west to Court street being previously called Hillier's lane (1708) and sometimes also Belknap's alley (1744) and Gay alley; the easterly end near Dock square included in the extension of Washington street, 1872. L 65, L 818, L 949.

Brattle-street square, B., 1800; from Wing's lane (now Elm street) to the church (corner present Brattle street and Brattle square) then east to Dock square; Brattle street or square (now part of Brattle street and Brattle square) sometimes so called; part running east to Dock square also called Cooper's alley about same time, and Hillier's lane on maps of 1769 and 1775.

Brazer's corner, B., 1800; corner Dock square and Exchange lane (now street), then so called.

***Bread street**, B., 1808; from Broad street to India street, between Wharf street and Custom-House street; conveyed to City for a public way, March 9, 1808, by deed, and shown as Bread street in 1808; confirmed as a public street, Sept. 15, 1834; name changed to Franklin street, March 1, 1896.

***Breck street**, Bri., 1871; from Warren street to Washington street; laid out, Dec. 16, 1873; included in the laying out of Massachusetts avenue (now Commonwealth avenue) Nov. 6, 1883.

†Breed street, E.B., 1875; from Ford street to Terrace avenue (now Gladstone street); laid out, Aug. 23, 1886; authority to open part between Ford street and Bennington street, given by Street Commissioners, April 21, 1893. L 1936, L 1937.

Breen place, B., 1870; from Livingston street, south, between Charles street and the river; called Livingston place, 1844; named Breen place May 10, 1870; obliterated by the construction of the Charles River Embankment (now Charlesbank), authorized 1881, completed 1887.

Bremen place, E. B., 1859; from Bremen street, north-west, between Sumner street and Maverick street.

†Bremen street, E. B., 1833; from Sumner street to Addison street; accepted from Sumner street to Porter street, May 29, 1857; accepted from Porter street to Curtis street, July 29, 1861; accepted at junction of Bennington street, July 23, 1862. L 891, L 892, L 893, L 894.

***Brent street**, Dor., 1885; from Washington street to Carlisle street; private way heretofore known as Baker avenue and later as Brandon street, laid out with name of Brent street, Nov. 12, 1885. L 1896, L 2537.

Brenton street, Dor.; from Glenway street to Greenwood street.

***Brentwood street**, Bri., 1889; from Franklin street to Everett street; laid out by Selectmen as Pearl street, Dec. 16, 1873; laid out as Brentwood street, Aug. 13, 1889. L 2150.

Brewer avenue, Rox., 1872; from Dudley street to George street, between Magazine street and Clarence street; changed in same year to Woodward avenue; laid out as Woodward avenue, May 7, 1877.

- *Brewer street**, W. Rox., 1855; from Burroughs street to Eliot street; shown as a street without name in 1849; laid out, March 19, 1875; called Beaver street, 1874-79. L 1030.
- Brewer's hill**, B., 1800; from Charter street to Lynn (now Commercial) street, parallel with and south-west of Henchman's lane (now street); called Sliding alley, 1708, 1732 and 1769; called Foster's lane, 1741 and as late as 1819 or later; called also Fuller street on Carleton's map of 1795, and called Brewer's hill by Edes' list of 1800; called Foster street on Carleton's map of 1800, which name it now bears.
- Brewery court**, Chsn., 1831-40; from 45 Salem turnpike (now Chelsea street.)
- *Brewster street**, S. B., 1861; from East Seventh street to East Eighth street, between Springer street and I street; laid out Oct. 29, 1877. L 1284.
- Brewster street**, Rox.; 1864, from Eustis street, south-west, then south-east across Harrison avenue to Winslow street; name changed to Renfrew street, April 20, 1869.
- Brick alley**, B., 1788; from Cow lane (now High) street, opposite end of Long lane (now Federal street) to Belcher's lane (now Purchase street); called Crooked alley, 1708; Brick alley, 1788; Board alley, 1848; erroneously called Broad alley, 1864; shown as Board alley on plans as late as 1870 and extending from High street near and east of junction of Federal street to Purchase street, but now closed.
- Brick alley**, B., 1848; from North street to Fulton street; near Ferry street; from Ann (now North) street, east, 1848.
- Bridge court**, B., 1833; from George (now West Cedar) street, west, between Cambridge street and Stetson's place; called Gilson's court or place, 1867.
- Bridge court**, } B; from North Anderson street, east, between
Bridge-street court, } Parkman street and Adams place; called Bridge court in 1828, 1830-35, 1869-87; Bridge-street court in 1829.
- *Bridge street**, B., 1803; from Cambridge street, north, across Vine (now Parkman) street, west of Blossom street; from Cambridge street to South Allen street, 1809; so much of street as fell within the lands of the Massachusetts General Hospital discontinued, Nov. 19, 1817, Blossom street to be substituted therefor; formally extended from Vine (now Parkman) street to land of Massachusetts General Hospital, Oct. 31, 1831; accepted as a public street, Sept. 15, 1834; name changed to North Anderson street, April 21, 1868.
- Bridge street**, W. Rox., 1872; from Canterbury street, east, crossing end of Brook street.
- Bridge street**, Chsn., 1714; from Fish street (now Charles-River avenue), east, to "the swing bridge" (near south end of present Gray street); described as "New Fore street, what is now called Water street," and laid out 40 feet wide, 1780; Water street as thus laid out probably included Bridge street and Battery street.
- Bridge-street avenue**, B., 1832; from Bridge (now North Anderson) street to Blossom street; named Adams place, 1845, but given in directories as above until 1849.
- Bridges' lane**, B., 1796; from Middle (now Hanover) street to Salem street; name used late in the 18th century for street commonly known as Beer lane, 1708-1800; same street also called Bear lane, 1708; "Beer lane or Bridges' lane" named Richmond street, Jan. 22, 1800; named Parmenter street, Dec. 31, 1870.
- Brigden's lane**, Chsn., 1670; from Bow street, next west of Grave street to the river, 12 feet wide; called Jenner's lane, 1767; shown as Cook's lane in 1818; new street laid out over Cook's lane from Bow street to Front street, and called Jenner street, Sept. 17, 1866.

- Brigg's court**, Rox., 1847; from Orange (now Elmwood and Hampshire) street.
- Brigg's place**, B., 1849; from Shawmut avenue, south-east, between Bradford street and Groton street; called New court, 1845; named Briggs place, 1849.
- ***Brigham street**, E. B., 1892; from Webster street to a point south-east of Ida street, formerly part of Terrace place; laid out, Nov. 26, 1892. L 2460, L 2461.
- ***Brighton avenue**, Rox. and Bri., 1825; from Commonwealth avenue to Cambridge street; an early name sometimes given to the Mill-dam road from Brookline line to Watertown line, and same name used at times down to 1875; said road named Avenue street, June 15, 1840; named Beacon street, Nov. 10, 1846; North Beacon street, March 5, 1860; name of part of North Beacon street, from the former boundary line of towns of Brighton and Brookline to Cambridge street at Union square, changed to Brighton avenue, March 1, 1884; name of part of Brighton avenue from Beacon street to Massachusetts avenue (now Commonwealth avenue) at Malvern street changed to Commonwealth avenue, being a continuation of the same, March 1, 1887; sometimes described as Brighton branch of the Mill-dam, Brighton road and road to the Mill-dam. L 649, L 1799, L 2726, L 2727, L 2728.
- Brighton court**, B., 1848; from Brighton street, south-east, between Allen street and Poplar street, extending to junction of Kennard court and Lovell place; Brighton-street court, 1860; Elder court, 1863; Elder place since 1868.
- Brighton road**, Rox. and Bri.; see Brighton avenue.
- Brighton road**, Bri., 1847; from junction of Newton road (now part of Washington street) and Brookline road (now part of Washington street), north-east; called Cambridge street.
- Brighton square**, Bri.; at intersection of Chestnut Hill avenue and Rockland street.
- ***Brighton street**, B., 1816; from end of Lowell street across Leverett street and Poplar street to Allen street; from Leverett street to Poplar street called Copper street, 1803; changed to Brighton street, 1816; Brighton street extended from Poplar street to North Allen (now Allen) street, 1826; extended north on Barton point, March 15, 1828; confirmed as a public street, Sept. 15, 1834; part from Leverett street, north, extended to the flats and sometimes called North Brighton street, 1834; Lowell street extended in 1842 to Brighton street, and part from Leverett street to Lowell street, accepted, May 1, 1848. L 560.
- †**Brighton street**, Chsn., 1852; from Cambridge street, north-east, across Perkins street, then north by B. & M. R.R., then north-west to Caldwell (formerly Columbia) street; laid out from Cambridge street to Perkins street, Oct. 25, 1852; remainder shown as Brookline street in 1858; called Brighton street from Cambridge street to Columbia street, 1868.
- Brighton street**, Bri; part of Washington street, from junction of Tremont street, west, so called in 1871.
- Brighton-street avenue**, B., 1844; from Brighton street, north-west, to Auburn street, between Livingston (now Chambers) street and Poplar street; called Derby avenue, 1841; Brighton-street avenue, 1844.
- Brighton-street court**, B., 1860; from Brighton street, south-east, between Allen street and Poplar street, extending to junction Kennard court and Lovell place; called Brighton court, 1848; Brighton-street court, 1860; Elder court, 1863; Elder place since 1868.
- Brighton-street place**, B., 1859; from Brighton street, south-east, between Leverett street and Chambers street.

Brimmer avenue, } B., 1822-26; from Liberty square to Broad street;
Brimmer's avenue, } another name for street called Liberty street on
 Hale's map of 1814 and at various times till 1826; Liberty street included in Water street, March 20, 1826.

Brimmer avenue, } B., 1842; from Essex street, north, opposite end
Brimmer place, } of Harrison avenue; called Essex place, 1816; Essex court, 1818; Brimmer avenue or place, 1842; Harrison avenue extended from Essex street to Bedford street, over Brimmer place, part of Chickering place and part of Norfolk place, July 6, 1881.

Brimmer avenue, E. B., 1876; from Ashley avenue, north-east, to Revere line.

Brimmer place, B., 1884; from North street, south-east, near Richmond street; also called North Brimmer place.

***Brimmer street,** B., 1866; from Pinckney street to Beacon street; part between Chestnut street and Beacon street called D street, 1828; this part named Messenger street, Jan. 5, 1856; part from Pinckney street, south, to Mt. Vernon street, laid out as Brimmer street, Dec. 19, 1866; extended from Mt. Vernon street to Chestnut street, Oct. 9, 1868; name of Messenger street changed to Brimmer street, April 20, 1869. L 266, L 297, L 346.

Brimmer's corner, B., 1800; corner Marlboro' (now Washington) street and School street, then so called.

Brinton street, Rox.; from Washington street, nearly opposite Marcella street, south-east, abandoned.

Brisco's corner, B., 1708; corner Marlboro' (now Washington) street and Rawson's lane (now Bromfield street), then so called; also written Brisco's corner.

***Bristol street,** B., 1869; from Albany street to Harrison avenue, between Dover street and Thayer street; laid out parallel with and 250 feet distant south-west from Dover street, March 12, 1869. L 431, L 444, L 2336.

Broad alley, B., 1722; from Orange (now Washington) street, west; called Hollis street, 1732.

Broad alley, B., 1864; from High street, near and east of junction of Federal street to Purchase street; Board alley (earlier called Crooked alley and also Brick alley) erroneously so called in 1864; now closed.

***Broad street,** B., 1805; from State street, between Kilby street and India street, to Atlantic avenue; from State street to Batterymarch street (*i.e.*, to present junction of Batterymarch street and Broad street) laid out 70 feet wide and named, June 26, 1805; name of Broad street extended over part of Batterymarch street, running easterly from former end of Broad street to Foster's wharf, 1808; 50-foot street laid out from Sconce (now Belcher) lane (termination of Broad street, near Foster's wharf) through part of Flounder alley to Sea street, at present termination of Summer street, and said street included in Broad street, Oct. 17, 1833; name of Sea street from easterly end of Summer street to South Boston bridge discontinued, and entire street leading from State street to South Boston lower (free) bridge called Broad street, Jan. 3, 1834; name of part from Summer street to North Free bridge changed to Sea street again, April 4, 1842, and named Federal street, April 30, 1856; name of part from Rowe's wharf to Federal street changed to Atlantic avenue, March 17, 1874. Volume 31, page 76. Volume 31, page 82. L 186, L 339, L 466, L 586, L 622, L 788, L 810, L 874, L 875, L 876.

Broad street, Chsn., 1670; early name for the street leading from the north-east side of the Market-place (now City square), north; same street called Market street, 1714, and Main street, 1769.

***Broadway,** B., and So. B., 1804; from Washington street, opposite Pleasant street, across Fort Point channel to Dorchester avenue, opposite West Broadway; laid out and named from the north end

of Dorchester street in South Boston, south-east to the sea, and north-west to the line of the Turnpike (now Dorchester avenue) Feb. 27, 1805, plan dated Oct. 4, 1804; laid out from Federal street (now Dorchester avenue) north-westerly to low water mark, Nov. 17, 1868; extended across Fort Point channel to Albany street crossing and over a part of Way street, May 3, 1869; part east of Dorchester street named East Broadway and part west of said street named West Broadway, Feb. 18, 1873; extended from Albany street to Washington street, opposite Pleasant street, over part of Curve street and including Vinal place, July 3, 1880. L 8, L 125, L 154, L 361, L 362, L 363, L 367, L 368, L 473, L 632, L 1465, L 1466, L 1532, L 2117.

***Broadway**, Chsn., 1858; part of Main street from Columbia street, near Somerville line, south-east; the continuation of Main street in Somerville is called Broadway.

***Broadway bridge**, B. and So. B., 1869; over Fort Point channel; Broadway extended over channel and bridge built, May 3, 1869.

Broadway court, So. B., 1863; from junction East Broadway and Emerson street, south-east of, and parallel with, I street.

Brodline avenue, Rox., 1894; from Dudley street to Forest street; authority to open given by Street Commissioners, Dec. 26, 1894.

Broderick alley, B., 1885; from Commercial street, south-west, between Jackson avenue and Commercial court.

Bromfield place, B., 1828-48; from Bromfield street, north (closed).

***Bromfield street**, { B.; from Washington street, between School street
Bromfield's lane, { and Winter street, to Tremont street; called Raw-
son's lane, 1708; Bromfield's lane, 1796; named Bromfield street,
Nov. 10, 1828. Volume 31, page 21. L 453.

***Bromley park**, Rox., 1872; from Bickford street to B. & P. (now N.Y., N. H. & H.) R.R.; laid out, May 15, 1874. L 928.

†**Bromley street**, Rox., 1872; from New Heath street, between Parker street and B. & P. (now N.Y., N. H. & H.) R.R., south-west, crossing Heath street and Bromley park; laid out from New Heath street to Bromley park, May 15, 1874. L 927.

***Brook avenue**, Dor., 1855; from Dudley street, south-west, south and north-east to Dudley street again; called Brook street in 1856; laid out from Stoughton (now Dudley) street crossing West Cottage street to Stoughton (now Dudley) street, Aug. 12, 1869. L 880, L 1511.

Brook-avenue place, { Dor.; from Brook avenue, west, between Dud-
Brook court, { ley street and West Cottage street; shown as
an unnamed place in 1855; called Brook court in 1860; called
Leavitt place in 1873; Brook-avenue place in 1884.

Brook place, Dor., 1875; from Dudley street, nearly opposite north end of Brook avenue, north-east.

Brook street, Dor., 1856; from Dudley street, south-west, south and north-east to Dudley street again; Brook avenue so called in 1856.

Brook street, { Dor., 1874; from Howe street, north, across Gibson
Brooks street, { street to Tenean creek; shown as an unnamed street
in 1852; shown as a proposed street in 1874.

Brook street, { Dor., 1874; from Dorchester avenue, opposite the
Brooks street, { south cemetery, east, crossing Patterson street to
Hutchinson street.

Brook street, W. Rox., 1872; from Paine (formerly Sargent) street, north, to Bridge street.

Brook street, W. Rox., 1872; from Bellevue avenue to Hill street, crossing Orange street and Berry street.

Brook street, W. Rox., 1874; from Mt. Hope street, north of Lawn street, east, to Stony Brook; shown as an unnamed street in 1853.

- Brook street**, W. Rox., 1882; from Florence street, south-west, then north-west, to Sycamore street; shown as an unnamed street in 1874.
- Brook street**, } W. Rox., 1882; from Newbern avenue to Stony brook,
Brooks street, { between Canterbury street and Hyde Park line; shown
 as an unnamed street in 1874 and as proposed street in 1884.
- Brook Farm avenue**, W. Rox., 1874; from Baker street to Newton line, but shown in 1874 and later as from Baker street, west, in an irregular line on land, and to buildings of, Martin Luther Orphan Home.
- ***Brookfield street**, W. Rox.; from South street to S. Fairview street; laid out, Dec. 27, 1893. L 2577.
- ***Brookford street**, Rox. and Dor., 1883; from Blue Hill avenue, opposite Woodbine street to Howard avenue at Hartford street; laid out, July 6, 1883, the part near Blue Hill avenue being laid out over the southerly portion of Rand (earlier Bismarck) street. L 1715, L 2677.
- Brookledge street**, Rox., 1889; from Humboldt avenue east.
- ***Brookline avenue**, Rox. and B., 1849; from Beacon street, at Commonwealth avenue, south-west, to Brookline line; called road to the Punch Bowl Tavern in 1828; Punch Bowl road on map 1845; Brookline street in 1845, and by directories until 1868; road over Mill-dam on plan dated 1850, called Brookline Branch of Western avenue, or Punch Bowl road, and by those names located by indenture between Commonwealth and Roxbury Mill Corporation, dated Dec. 30, 1856, from the Mill-dam (now Beacon street) to Washington street, Brookline; laid out as Brookline avenue Dec. 7, 1868. L 416, L 417, L 648, L 735, L 736, L 1800, L 1801, L 2505.
- Brookline road**, Bri., 1847; leading south-east from junction of Newton road (now Washington street) and Brighton road (now Cambridge street); now part of Washington street.
- Brookline street**, B., 1834; from Tremont street to Front street (now Harrison avenue; from Tremont street to Washington street, seems to have been called both Brookline street and Dorchester street previous to 1834, from Tremont street to Front street named Brookline street, Sept. 15, 1834, reaching to Albany street on the extension of that street to Roxbury line, April 21, 1855; accepted, Dec. 7, 1857; part west of Tremont street to line of Boston Water Power Company, accepted, Dec. 21, 1859; whole street accepted, Oct. 30, 1860; laid out from Tremont street to Warren avenue and accepted, May 21, 1867; part from Washington street to Albany street named East Brookline street, and part from Washington street to Warren avenue, named West Brookline street, April 21, 1868. L 138.
- Brookline street**, Rox., 1845; Brookline avenue, so called on plan, and by directory until 1868.
- Brookline street**, Chsn., 1858; from Perkins street, north-east, to and along B. & M. R.R., then north-west to Columbia (now Caldwell) street; by directory 1868 and thereafter considered as a part of Brighton street.
- Brooklyn street**, W. R.; from Sycamore street to Florence street.
- Brook's corner**, B., 1708; cor. Marshall lane (now street) and Creek lane (now square), then so called.
- Brooks place**, B., 1861; from Cambridge street, south, next east of Anderson street.
- Brooks place**, Rox., 1854; from Brooks (now Conant) street, south, between Phillips street and Parker street; called Brooks street place, 1860-68; now called Conant street place or court.
- Brooks place**, Bri., 1883; from Washington street, north, near Oak square.

- Brooks street**, E. B., 1835; from Bremen street, between Putnam street and Marion street, to Condor street (with extension north of Condor street to the water, and proposed extension south from Bremen street to Front street); extended from Condor street to Harbor Commissioners' line (for water-pipes), Aug. 31, 1850; accepted from Chelsea street to Condor street, June 3, 1856; accepted from Chelsea street to Bremen street, Nov. 26, 1861. L 606, L 641, L 673, L 2154.
- Brooks street**, Rox., 1845; from Parker street, north-east of Smith street, north-west, 780 feet; shown as extending to Bumstead lane, now St. Alphonsus street, in 1867, named Conant street, April 21, 1868.
- Brooks street**, Chsn., 1848-52; from Moulton street to Chelsea street; Bainbridge street, so called.
- Brooks street**, Chsn., 1831; from Morton street, near Edward Adams' ropewalk (now corner of Moulton street and Bainbridge street) to Mystic river in 1846; shown as a part of Morton street in 1818; this street was accepted as Moulton street by selectmen June 9, 1826; but names of Brooks street, Morton street and Moulton street were applied to it subsequently and simultaneously; now called Moulton street.
- *Brooks street**, Bri., 1858; from Faneuil street to Faneuil station, B. & A. R.R.; resolve that said street be laid out so as to intersect the new county way (Faneuil street) proposed by commissioners, July 8, 1872; laid out, Dec. 18, 1873; accepted conditionally, Dec. 30, 1873; laid out by City from Faneuil street to B. & A. R.R., April 22, 1876. L 1152, L 1153.
- Brooks-street place**, Rox., 1860-68; from Brooks (now Conant) street, south, between Phillips street and Parker street; called Brooks place, 1854-60; now Conant-street place.
- *Brookside avenue**, W. Rox., 1868; from Green street to Boylston street, between Boylston avenue and Washington street; called "Brookside, or Chemical, avenue," in 1870; laid out from Green street, north-east to land of heirs of William H. Sumner (*i.e.*, to present junction with Chemical avenue), Feb. 27, 1871; extended to extension of Boylston street, Sept. 8, 1873. L 1654, L 1653.
- *Brown avenue**, } W. Rox., 1848; from Florence street, at Mt. Hope
Brown's avenue, } station, south-west, to Poplar street; called Alpine
 avenue in 1847; Belmont avenue in 1843-49; Brown's avenue in
 1855; laid out and accepted as Brown avenue, March 29, 1869.
 L 1467.
- Brown's court**, Chsn., 1856; from Lawrence street, nearly opposite Johnson avenue, south-west.
- Brown court**, Bri., 1876-82; from Webster avenue, near Union square.
- Brown place**, W. Rox., 1875; from Seaverns avenue, south, near Centre street; shown but not named in 1874.
- Brown street**, B., 1828; that part of Hull street, from Snowhill street to Lynn (now Commercial) street, so called.
- Brown street**, Rox., 1872; from Hunneman street, between Harrison avenue and Fellows street, north-east.
- Browning avenue**, Dor., 1872; from Bernard street, south-west, between Kingsdale street and Talbot avenue.
- Brown's corner**, B., 1732; corner of Milk street and Bishop's alley (now Hawley street), then so called.
- *Bruce street**, Dor., 1894; from Ashmont street to Dracut street; laid out as Wrentham street, from Ashmont street to Dell (now Dracut) street, March 27, 1890; name changed to Bruce street, March 1, 1894. L 2214.

Bruce street, W. Rox.; from Ricker street to Joy street; near Brookline line.

Brunswick avenue, Rox. and West Roxbury, 1883; from Centre street, opposite junction of Pyncheon street (now Columbus avenue) and Heath street to West Walnut park; shown as a proposed street in 1884; part of included in the extension of Columbus avenue, Jan. 4, 1895.

Brunswick street, Dor.; from Dorchester avenue, east, then south, nearly opposite Fuller street.

†**Brunswick street**, Rox. and Dor., 1884; from Elm Hill avenue, opposite Wenonah street, to Columbia street; from Elm Hill avenue to Warren street shown as an unnamed street in 1884; authority to open part between Warren street and Blue Hill avenue given by Street Commissioners, June 14, 1892, and laid out, Oct. 15, 1892; authority to open part east of Blue Hill avenue given by Street Commissioners, Dec. 5, 1893; authority to open portion from Columbia street, north-westerly, given by Street Commissioners, Dec. 7, 1895. L 2450.

***Brush Hill turnpike** } Rox., Dor., and W. Rox., 1805; from Warren or avenue, } street to Milton line; location as above filed by the Brush Hill Turnpike Corporation, Sept., 1805, the part south of Seaver street near Roxbury and Dorchester line being laid out over a part of the old Canterbury street; laid out by County Commissioners as a public highway from junction of highway in Milton to junction of highway in Dorchester at or near store of George L. Fisher, Dec., 1849; proprietors relinquished franchise of corporation, Oct. 13, 1856; remainder of street as far as Warren street, in Roxbury, not before made public, laid out, Dec., 1856; part from Warren street to West Roxbury line at Seaver street included in Grove Hall avenue, Jan. 28, 1867; Grove Hall avenue and Brush Hill avenue named Blue Hill avenue, Oct. 25, 1870.

***Bryant street**, Rox., 1884; from Huntington avenue to Parker street; part of Rogers avenue lying north of Huntington avenue laid out with name of Bryant street, May 21, 1884. L 1777.

Buchanan court, W. Rox., 1873; from South street, west, between White avenue (now Custer street) and Jamaica street.

Buchanan place, Rox., 1858; from Parker street, west, between Conant street and Smith street.

Buckingham place, B., 1873; from Buckingham street, south, laid out with name of Burbank street, Oct. 20, 1894. L 2660.

***Buckingham street**, B., 1872; from Columbus avenue, opposite Clarendon street, west, to Dartmouth street; named, Oct. 22, 1872; laid out, Oct. 25, 1873. L 901.

Buckley avenue, Rox.; at rear of 310 Centre street; from near Lowell school, east, across the end of Johnson avenue.

Bucknam street, Rox., 1895; from Fisher avenue to Lawn street; authority to open given by Street Commissioners, Sept. 19, 1895.

Buena Vista avenue, } Rox., 1867; from Warren street, opposite Mont-
***Buena Vista street**, } rose avenue, (now Montrose street) to Walnut
avenue; called Buena Vista street in 1869-76; laid out with the
name of Buena Vista street, April 30, 1894. L 2590.

Buffalo street, B., 1839; from Beach street, south, between Front street (now Harrison avenue) and Hudson street; name given in 1839 to street then and now known as Tyler street.

Buffalo street, Bri., 1882; from Market street, east, south of and parallel with B. & A. R.R., leading to cattle yards.

Bulfinch place, B., 1805; from Bulfinch street to Bowdoin street; called "Clap's building" in 1807.

- *Bulfinch street**, B., 1800; from Court street at Bowdoin square to Allston street; from Cambridge (now Court) street, south, to the present Allston street, thence to Middlecot (now Bowdoin) street, 1800; called "a new street from Bowdoin square to Middlecot street" in 1801; part running west to Middlecot street considered a part of Somerset place as early as 1821; Somerset place named Allston street, Dec. 19, 1842; Bulfinch street erroneously called Middlecot street on Hale's plan of Bowdoin square, 1819; confirmed as a public street, Sept. 15, 1834.
- *Bullard street**, Dor.; from Bowdoin avenue to Bowdoin street; part from Bowdoin avenue to Union avenue (now Rosseter street), and formerly called Maple Grove avenue laid out as Bullard street, March 21, 1888; part from Bowdoin avenue (now Rosseter street) to Bowdoin street, and formerly called Union avenue, named Bullard street, March 1, 1889. L 1650, L 2059.
- Bullock street**, So. B.; (proposed street) from the proposed extension of B street to the proposed extension of E street on the so-called Commonwealth flats.
- Bull's corner**, B., 1708; corner of Summer street and Sea (now Federal) street, then so called.
- Bumstead court**, B., 1825; from Boylston street, north, between Washington street and Head place.
- Bumstead lane**, Rox., 1863; from Huntington avenue to Tremont street; formerly from Ward street to and across Tremont street; laid out from Tremont street to Huntington avenue with name of St. Alphonsus street, Dec. 20, 1893.
- Bumstead place**, B., 1807-1868; from Common (now Tremont) street, east, then north to Bromfield's lane; now closed except the portion leading into Bromfield street, which is now unnamed.
- Bunker Hill court**, Chsn., 1842; from Bunker Hill street, south-west, near Mead street.
- Bunker Hill terrace**, Chsn., 1893; from Tufts street, near Bunker Hill street; authority to open given by Street Commissioners, June 9, 1893.
- *Bunker Hill street**, Chsn., 1714; from Chelsea street, north-west, over Bunker Hill to Main street, at junction with Medford street; early called "road over Bunker's Hill," and "road to brick kilns;" from road to Moulton's point (at present junction Bunker Hill street and Moulton street), north-west, over Bunker Hill to Market (now Main) street, 1714; staked out by Eben Breed's land to the brick kilns, Aug 7, 1809; laid out from the Neck to Salem turnpike 60 feet wide, March, 1825; south-east end of Morton (also called Moulton) street, from Bunker Hill street to Salem turnpike, named Bunker Hill street, being a continuation of the same, Dec. 15, 1834; extended from Tufts street to Vine street, July 10, 1854. L 2156, L 2255, L 2591.
- Bur lane**, B.; see Beer lane and Bridges lane (now Parmenter street).
- *Burbank street**, B., 1894; from Buckingham street, south-east, and then north-east; formerly called Buckingham place; laid out as Burbank street, Oct. 20, 1894. L 2660.
- Burbank street**, Dor., 1895; from Washington street to Merrill street, authority to open given by Street Commissioners, March 27, 1895; laid out under the name of Fenelon street, June 2, 1896.
- *Burgess street**, Dor., 1888; from Dudley street to Clifton street; formerly called Taylor street; laid out as Burgess street, July 12, 1888. L 2076.
- Burgoyne street**, Dor.; from Beaumont street to Elm road.

- *Burke street**, Rox., 1860; from Tremont street to Berlin street (now Columbus avenue), between Benton street and Coventry street; shown as an unnamed street in 1849; laid out, May 18, 1891. L 2292.
- Burke's court**, E. B.; from Everett street, north-east, near Cottage street; sometimes called Burke court.
- Burley street**, W. Rox., 1884; from Metropolitan avenue to Dale street.
- Burlington avenue**, B., 1872; from Brookline avenue, south of Butler street, to Brookline Branch R.R.; by directories, from 1876, from Brookline avenue to Beacon street, but part from railroad to Beacon street called Munson street in 1875 and 1884.
- Burlington street**, B., 1864; name given without authority to part of Dedham (now Dartmouth) street, west from Tremont street; order given to remove signs bearing this name, Aug. 30, 1864.
- Burlington street**, B., 1874; from Beacon street to Mountfort street; now included in proposed Audubon road.
- Burmah street**, Dor., 1896; from Edgewater drive, northerly; near Hyde Park line; authority to open given by Street Commissioners, Feb. 24, 1896.
- *Burnett street**, W. Rox., 1890; from Washington street, north-west, near and south of Keyes street; called Baily street, 1887-90; laid out as Burnett street, March 29, 1890. L 2215.
- *Burney street**, Rox., 1871; from Tremont street, south, across end of Delle avenue; laid out, May 6, 1892. L 2396.
- *Burnham street**, So. B., 1883; from Lowland (now Mercer) street, between Vale street and Newman street, north-east, to East Ninth street; laid out, July 13, 1883. L 1719.
- *Burr street**, W. Rox., 1877; from Boylston street to Spring Park avenue; called B street in 1868; laid out with name of Burr street, April 25, 1877. L 1230.
- Burrill place**, So. B., 1870; from I street, west, between East Sixth street and East Seventh street.
- Burroughs place**, B., 1848; from Hollis street, north, between Hollis place and Washington street.
- *Burroughs street**, W. Rox., 1825; from Centre street to Pond street; named from Centre street near Joshua Seaver's, to Pond street, May 9, 1825; probably a public highway some time previous. L 1595, L 2312.
- Burt avenue**, Dor., 1885; from Washington street, nearly opposite Rockwell street, east, to Ashmont street; part beginning a short distance east from Washington street, and running toward Ashmont street, previously called, in part, Tolman lane.
- Burton avenue**, Rox., 1876; from Copeland street, near Waverly street, south-east; called Copeland court in 1873.
- Burton street**, Bri., 1891; from Washington street to the proposed extension of Newton street; authority to open given by Street Commissioners, Oct. 22, 1891.
- Bury lane**, B.; from Leverett street, north-east, to the water north-west of Cart lane (now Minot street); another name for Berry lane (now Barton street).
- Bury lane**, } B., 1732; from Long lane (now Federal street) to Atkin-
Bury street, } son (now Congress) street; shown but not named in 1722; called Bury street, 1732; named Barracks lane by Selectmen, 1788, but name not used; called Berry street, 1803; name changed to Channing street, July 14, 1845.
- Burying-place lane**, Dor., 1806; from Norfolk street along east side of Catholic cemetery; widened, May 12, 1806; called also Cemetery lane or street; probably included in Bernard street.

- Bush street**, B., 1873; from East Canton street, north-east, between Thorn street and Andrews street; named April 1, 1873.
- *Bushnell street**, Dor.; from Dorchester avenue to Beale street; laid out from Ashmont street to Rowena street, Aug. 29, 1889; extended from Rowena street to Beale street, June 21, 1890; extension from Ashmont street to Dorchester avenue laid out, Aug. 10, 1893. L 2159, L 2232, L 2523.
- Bussey place**, B., 1842; from Arch street, west, midway between Franklin street and Summer street; called Summer place for short time previously.
- Butland place**, So. B.; from O street between East Fifth street and East Sixth street, westerly; shown in 1873.
- *Bussey street**, W. Rox., 1832; from South street to Walter street along the south-west side of the Arnold Arboretum.
- Butler avenue**, E. B., 1875; from Ashley avenue at Beachmont avenue, south-west to flats across Saratoga street, parallel with the railroad. L 2042, L 2043, L 2044.
- Butler place**, B., 1886; from Prince street, south-west, near Lafayette avenue.
- Butler row**, B.; Chatham row, so called previous to 1848.
- *Butler square**, B., 1836; from Butler's row to Chatham street; construction authorized by filling up dock and wharves to form a street from Butler's row to Green's wharf, June 13, 1804; called Butler square, 1836; named as a part of Butler street, March 7, 1842; Butler street called Butler square in 1848; name later confined to part running into Chatham street, the remainder being called Butler's row.
- *Butler street**, B., 1842; a street leading from State street, north, then east, then north again to Chatham street; so named, March 7, 1842; part parallel with State street formerly known as Butler's row and part running into Chatham street called Butler square, 1836; whole street called Butler's square, 1848, and later in part Butler's row and in part Butler square.
- Butler street**, B., 1874; from Brookline avenue, between Burlington avenue and Depot street, north-west, to Brookline Branch R.R.
- †Butler street**, Dor., 1874; from Richmond street to Riverview avenue; laid out from Adams street to Richmond street, May 9, 1874; part from Adams street to Riverview avenue first shown in 1881. L 923.
- Butler's corner**, B., 1708; corner King (now State) street and Merchant's row, then so called.
- *Butler's row**, 1789; from State street, north, then east, to Chatham row; from Merchant's row, east, to Spear's wharf originally; so shown on Carleton's map of 1800, and so described in list of 1817; soon after the laying out of Chatham street, in 1825, parallel with and slightly north of said row, the part near Merchant's row was probably built over and there was an exit instead at that end south into State street, such exit being shown on Carleton's map as an unnamed passageway; Butler's row ordered to be discontinued, Feb. 25, 1828, and again, April 23, 1832, on condition that a way 20 feet wide parallel with State street and along the north side of the buildings fronting southerly on State street be kept open, and on condition also that a way 18 feet wide from said 20-foot way north to Chatham street be conveyed to City for a street; by this order the old Butler's row was practically moved south a little distance, the south side of the old street being near the north side of the new 20-foot one; the 18-foot way to Chatham street above mentioned was opened in 1804 as a passageway from the old Butler's row to Green's wharf (vote authorizing above dated June 13);

this new 20-foot street having an opening at the end near Merchant's row south into State street, as above noted, and another at the other end (the 18-foot street), north into Chatham street, named Butler street, the whole length, from State street to Chatham street; March 7, 1842, the part running into Chatham street having been previously called Butler square in 1836-42; whole street called Butler square on map 1848; later the name Butler square restricted to part running into Chatham street and part from State street, north, then east, including a passageway to Chatham row, called Butler's row.

***Buttolph street**, B., 1733; from Cambridge street, south, to May (now Myrtle) street, between South Russell street and Garden street, 1800; confirmed as a public street, Sept. 15, 1834; name changed to Irving street, April 25, 1855; called also Botolph and Butolf street.

Buttonwood court, Dor., 1871; from Buttonwood street, east.

***Buttonwood street**, Dor., 1864; from Locust street to Crescent avenue; laid out from Mt. Vernon street to Grafton street (formerly Garden street), March 27, 1882; laid out from Mt. Vernon street to Locust street, Aug. 14, 1891; authority to open from Grafton street to Crescent avenue given by Street Commissioners, May 20, 1892; laid out from Grafton street to Crescent avenue, Dec. 23, 1893. L 1592, L 2323, L 2575.

Buttrick place, B.; 1847 from North Margin street east.

Bynner street, Rox., 1896; from Day street to Jamaica-way; authority to open given by Street Commissioners, March 18, 1896.

Byrnes place, E. B.; from Havre street, north-west, between Maverick street and Decatur street; called Conologue court in 1882 and 1885; not shown on late atlas.

Byron court, W. Rox., 1848; from School street, south, between Erie place and Ellsworth place.

Byron street, B., 1830; from River street to Brimmer street, between Beacon street and Chestnut street; shown as B street in 1828; "from River street to the water, 1830;" proviso in chapter 58, Acts of 1844, that City shall have the right to extend same to the channel over wharf to be built by Boston and Roxbury Mill Corporation; order for City to release such right, passed, Sept. 27, 1847.

†**Byron street**, E. B., 1838; from Coleridge street, north, then west to Chelsea street, near the bridge; laid out from Saratoga street to Coleridge street, July 24, 1889; laid out from Saratoga street to Pope street, Dec. 1, 1891. L 1851, L 2145, L 2146, L 2370.

C street, B., 1828; from River street to Brimmer street, between Mt. Vernon street and Chestnut street; from A (now River) street, west, 280 feet, nearly to the water, 1828; called Lime street, 1845.

***C street**, So. B., 1804; from end of Baxter street at O. C. (now N. Y., N. H. & H.) R. R. to low-water mark (with proposed extension to Eastern avenue, now Congress street); projected "from the boundary line to the sea," Oct. 4, 1804; laid out and named, Feb. 27, 1805; laid out from old line between Boston and Dorchester to low-water mark, Nov. 17, 1868.

C street, Dor., 1892; from Bakersfield street to Stoughton street; authority to open from F (now Bakersfield) street to Stoughton street given by Street Commissioners, May 4, 1892; now Mayfield street.

C street, W. Rox., 1868; from Boylston street south-west, to Spring Park avenue between Burr (formerly B) street and Nelson street; laid out under the name of Clive street; July 17, 1888. L 2077.

Cable street, W. Rox., 1895; from Merriam street to Minton street; authority to open given by Street Commissioners March 20, 1895.

- Cabot place, Rox.;** from Cabot street to Warwick street; shown in 1860, but not named.
- Cabot street, B.,** 1828; from Pleasant street to West Castle (now Castle) street, included wholly or in part in extension of Tremont street, 1832.
- *Cabot street, Rox.,** 1841; from Tremont street, near junction with Hammond street, to Linden park, now Linden Park street, near Roxbury street; part from present junction with Ruggles street, south, to Worcester turnpike (later Washington, now Roxbury street) including small portion of present Linden park named as a part of Ruggles street, May 9, 1825; part from Ruggles street north to Tremont street not constructed till later; acceptance of Cabot street (probably this part) recommended by Selectmen, March 8, 1841; shown in 1843 as extending from Tremont street to Washington (now Roxbury) street, but part from present Ruggles street, south, commonly called a part of Ruggles street, till much later; street from Tremont street to Washington street by Linden park, part of what has been called Cabot street and part Ruggles street, named Cabot street, Aug. 9, 1858 (no record of the change of portion now called Linden park to that name).
- Calder place, W. Rox.;** from Chestnut avenue, near corner of Green street, north-west.
- Calder street, W. Rox.,** 1872; from Blue Hill avenue to Canterbury street, opposite Franklin Park.
- *Caldwell street, Chsn.,** 1887; from Main street to Perkins street parallel with and near Somerville line; same street called Columbia court in 1866, but usually known as Columbia street; private street called Columbia street laid out as a public way and named Caldwell street June 7, 1887. L 1992.
- Caledonia street, Rox.;** from Massachusetts avenue to Huntington avenue; laid out from Falmouth street to Huntington avenue as Norway street, Dec. 22, 1891; laid out as Norway street between Massachusetts avenue and Falmouth street, Sept. 14, 1894.
- Calef street, Bri.,** 1895; from Garden street, south-west; authority to open given by Street Commissioners Nov. 13, 1895.
- *Call street, W. Rox.,** 1877; from Gordon street at Jamaica Plain station, B. & P. (now N.Y., N.H. & H.) R.R. to Hall street; laid out as a new street from said station near Gordon street to Starr street (*i.e.*, present corner of Call street and Everett street), March 10, 1873; no record of any name given, but commonly called Union avenue and Starr street; "street from Gordon street to Keyes street, part of which has been called Starr street and part Union avenue." named Call street, Dec. 4, 1877; Call street laid out from Keyes street to Hall street, May 7, 1891. L 1028, L 1029, L 1891, L 2291.
- *Call street, Chsn.,** 1842; from Park street, near junction of Henley street and Warren street, to Chelsea street, mentioned as a town dock, July 31, 1822; shown as town way from Warren (now Park) street to Chelsea street on plan of burnt district, 1836; street leading by Leonard Tufts' shop to Chelsea street, named Call street, Feb. 18, 1842; laid out by metes and bounds, June 16, 1848.
- Call-street place, Chsn.;** from Call street to Henley street.
- Calvert place, B.,** 1878; from Dover street, between Harrison avenue and Albany street, north, then west.
- †Calumet street, Rox.;** from Tremont street, at its junction with Huntington avenue, south-west, then south-east, crossing Hillside street and Harleston street to Parker Hill avenue near Parker street; laid out between Tremont street and Hillside street, Sept. 19, 1887; authority to open from Parker Hill avenue to Hillside street, given by Street Commissioners, Nov. 8, 1894. L 2025, L 2026.

- ***Cambria street**, Rox.; from Dalton street to Bothnia street, laid out, May 14, 1890. L 2224.
- ***Cambridge road**, 1681; from the Main street, at the neck, west to Cambridge (Chsn. land records); the old way to Cambridge from Charlestown, known also as Cambridge way, and road to Cambridge; shown in 1818; called Cambridge road as late as 1859; called also Cambridge street as early as 1847; now Cambridge street.
- ***Cambridge street**, B., 1708; from Bowdoin square to Cambridge bridge; from Sudbury street, at present junction of Court street, west, to the water, 1708; from Sudbury street, west, to the water, then south by the water to the Common 1733; from Sudbury street to the water at about the present line of W. Cedar street, 1784; part from Sudbury street to Bowdoin square included in Court street, 1807; laid out westerly about 450 feet near the bridge and accepted July 28, 1828; part formerly owned by the Bridge Corporation confirmed as a public street, Sept. 15, 1834; part from junction with West Cedar street to stone abutment of Hancock free bridge, then lately filled in and formerly the easterly part of said bridge, deeded by Hancock Free Bridge Corporation to City, accepted as a public street and named Cambridge street, Oct. 28, 1850; extended to the bridge again, Oct. 25, 1854. L 18, L 312.
- Cambridge street**, B., 1774; Castle street, so called.
- ***Cambridge street**, Chsn., 1847; from Main street at Sullivan square to Somerville line; the old way from Charlestown to Cambridge; called Cambridge road, 1681; and from an early time also Cambridge way and road to Cambridge; laid out and accepted, Dec. 28, 1857; altered from Brighton street to Somerville line and lines established, April 25, 1859. L 1245, L 1357, L 1358, L 1359, L 2198.
- ***Cambridge street**, Bri., 1840; from Washington street, nearly opposite Winship street to Cambridge line; shown as "road to Cambridge," 1815; "road from Brighton to Cambridgeport," 1835; named (from Washington street to Cambridgeport), June 15, 1840; called Brighton road, 1847. L 2266, L 2267, L 2294, L 2295, L 2389, L 2530; L 2675, L 2721, L 2735, L 2784.
- Cambridge-street avenue**, B., 1857; from Cambridge street, near North Grove street, north, then west by south side of County jail lot to Charles street.
- Cambridge-street place**, B., 1857; between Cambridge street and Cambridge-street avenue and parallel with both.
- Cambridge terrace**, Bri.; from Cambridge street, between Allston Heights and Webster avenue, south-east to Webster place; authority to open given by Street Commissioners, May 15, 1893.
- Cambridge way**, Chsn.; see Cambridge road.
- Camden place**, B., 1847; from Washington street, between Northampton street and Flag street, south-east.
- ***Camden street**, B 1826; from Washington street, opposite Camden place, to B. & P. (now N. Y., N. H. & H.) R.R., from Washington street to Tremont street called Davis street, 1810; laid out on the Neck, July 24, 1826; named Camden street, Sept. 15, 1834; accepted Dec. 7, 1857; accepted west of Tremont street, Dec. 2, 1867; laid out from B. & P. R.R., to Falmouth street, Oct. 7, 1878; name of part west of B. & P. R.R., to Falmouth street changed to Gainsborough street, March 1, 1886. L 30, L 118, L 119, L 532, L 1296, L 1321.
- Cameron street**, Rox., 1894; from Heath street, north; present Wensley street in about the same location.
- Campbell place**, Rox.; from Eustis street, south-west, between Hampden street and Adams street.
- Canal Bank**, Chsn.; from Beacham street to Dorrance street; shown as Temple street, 1884.

- Canal bridge, B.**, 1809; from foot of Leverett street to Lechmere's point (East Cambridge); called also Central bridge and Craigie's bridge.
- *Canal street, B.**, 1807; from Haymarket square to Causeway street laid out across the Mill pond from Union street to Causeway street, Aug. 3, 1807; part of, near Union street, laid out as part of Haymarket square, April 21, 1845.
- Canal street, B.**, 1834; from Fulton street and Clinton street over the Mill creek to Charlestown street and Cross street at Haymarket square; laid out, October, 1833; named Blackstone street, Sept. 22, 1834; called also Creek street the same year previous to naming; part from Ann (now North) street, east, previously called Royall's alley.
- Canal street, Rox.**, 1858; from Swett street at junction with East Chester park (now Massachusetts avenue), north-east; name changed to Hilton street, April 21, 1868.
- Canal street, Chsn.**, 1847; from Cambridge street, at Sullivan square, south, to Middlesex street, then south-east to Main street at Hancock square, 1847; part from Middlesex street to Hancock square laid out and named Essex street, Dec. 31, 1855, laid out 60 feet wide from Richmond street (which then terminated at a point near the present junction of Rutherford avenue and Dunstable street) to Cambridge street, Sept. 9, 1867; "the north-east line of which public street will be a continuation from Cambridge street to Richmond street of the south-west line of the place or way known as Canal street;" this 60-foot street laid out on a continuation of Richmond street, Sept. 30, 1867, but name of Richmond street appears not to have been commonly used; Canal street as laid out Sept. 9, 1867, discontinued Sept. 7, 1868, and laid out again by slightly altered plan, Oct. 26, 1868; name of Canal street extended over the portion of Richmond street between Austin street and former termination of Canal street June 16, 1874, both Richmond street and Canal street named Rutherford avenue, May 28, 1878. L 1216, L 1217, L 1218, L 1219.
- Cannon street, Chsn.**, 1878; from Medford street, north, nearly opposite Monument street.
- Canny place, B.**, 1883; from Webster avenue, north-east, between Unity street and Washington place; Webster court (1857-83), now so called.
- *Canterbury street, W. Rox.**, 1825; from Blue Hill avenue opposite Abbot street in an irregular line to Poplar street; named from Brush Hill turnpike, (now Blue Hill avenue) to Poplar street May 9, 1825; probably a public highway sometime previous, and Brush Hill avenue or turnpike, between Canterbury street and Seaver street, probably laid out over a part of the old street. L 2308, L 2500.
- *Canton street, B.**, 1826; laid out on the Neck from Tremont street to Washington street, July 24, 1826; named from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; reaching to Albany street on the extension of that street to Roxbury line, April 21, 1855; accepted Dec. 7, 1857; from Tremont street about 170 feet west to Water Power Company's line, accepted Dec. 21, 1859; laid out from Harrison avenue to Albany street, Oct. 30, 1860; whole street accepted, Oct. 39, 1860; part west of Tremont street called (without authority), Hawthorne street and signs bearing that name ordered to be removed, Aug. 30, 1864; laid out from Tremont street to Warren avenue, May 21, 1867; from Washington street to Albany street named East Canton street and from Washington street to Warren avenue named West Canton street, April 21, 1868. L 50.
- Canton-street court, B.**, 1840; from West Canton (formerly Canton) street, north, between Washington street and Shawmut avenue.

- Canton-street place**, B., 1844; from West Canton (formerly Canton) street, south, between Washington street, and Shawmut avenue, nearly opposite Canton-street court.
- Capen place**, B., 1846-57; from Hanover street, south, between Elm street and Union street, closed.
- Capen street**, Dor., from Freeport street to Preston street; shown in 1870, authority to open from Ashland street to Freeport street, given by Street Commissioners, Dec. 7, 1895.
- †**Capen street**, Dor., 1871; from Norfolk street to Fairmount street; laid out from Norfolk street to Evans street Nov. 6, 1890. L 2268.
- Cardington street**, Rox., 1893; from Cobden street, north-east, to an unnamed passageway; authority to open given by Street Commissioners, Feb. 6, 1893.
- Carey court**, Chsn., 1893; from Maudlin street to Water street; called Battery lane, 1714; described as running from Maudlin street and called Carriggs court, 1854; called Carey street, 1875.
- Carey place**, Chsn., from High street, north-east, then south-east, between Bolton place and Sullivan street; shown as an unnamed place, 1861; sometimes called Cary place.
- ***Carey street**, Chsn., 1875; from Maudlin street to Water street; Carriggs court (early called Battery lane, and now Carey court), so called in 1875.
- Carl street**, W. Rox.; from Corey street, south-west, to and beyond Park street; laid out and extended to Mount Vernon street under the name of Montview street, Nov. 17, 1893; part of at an earlier date known as Walnut avenue.
- Carleton avenue**, } Dor.; from Harvard street to Park street; Carleton
Carleton place, } street (formerly Carleton avenue), so called, 1874;
 } now Kilton street.
- Carleton street**, B., 1868; adjoining and parallel with the B. & P., now N. Y., N. H. & H. R.R., from Yarmouth street to West Chester park (now Massachusetts avenue), except where the streets running north-west from Columbus avenue to the railroad cross and intercept it; laid out from West Chester park to West Newton street, Dec. 31, 1870, but order for laying out afterwards declared defective; portion of part between Wellington street and West Chester park now built over. L 502, L 516.
- Carleton street**, } Dor.; from Crescent avenue to Mount Vernon street.
Carlton street, } at crossing of O. C. (now N. Y., N. H. & H.) R.R.;
 shown as an unnamed street, 1860; laid out and name changed to Carson street, Jan. 5, 1887. L 1970.
- ***Carlisle street**, Rox., 1883; from Warren street, east, between Gaston street and Holborn (formerly Hayward) street; private way called Roslin street laid out as Carlisle street, Sept. 20, 1883. L 1732.
- Carlisle street**, So. B., 1877; from Locust street to Mount Vernon street between Von Hillern street and Richardson avenue (proposed); shown without name in 1874.
- Carlisle street**, Dor.; from Welles avenue to Centre street; shown as extending from Welles avenue, north, in 1874; extended about 204 feet to Centre street, 1880.
- Carlos street**, Dor.; from Lauriat avenue to Chapman avenue; authority to open given by Street Commissioners, Sept. 14, 1894.
- Carlton avenue**, Dor., 1860; from Harvard street to Park street; called Carleton avenue, and Carleton place, in 1874; Carleton street, 1884; now Kilton street.
- Carlton court**, Rox.; from Vernon street, opposite Simmons street, north-east.

- Carlton place**, B., 1838; from Eliot street, south, between Warren (now Warrenton) street and Tremont street; called Eliot court, 1829-38; now built over.
- Carlton street**, Dor., 1884; from Harvard street to Park street; called Carlton avenue, 1860; Carleton avenue and Carleton place, 1874; now Kilton street.
- Carnes court**, B., 1767; from Ann street.
- Carnes court**, } B., from Hawkins street, south-west; called Carnes
Carnes place, } court, 1820; Carnes place, 1836.
- Carnes street**, Chsn., 1870; from Alford street, east, to Everett line; opened on old almshouse estate, April 24, 1850; laid out through portion of almshouse estate from the highway to Everett line and named Carnes street, Oct. 25, 1870; called Dexter street, 1896.
- *Carney place**, B., 1831; from Washington street to Shawmut avenue; laid out Oct. 1, 1870; name changed to Waterford street, Nov. 8, 1871. L 545, L 562.
- †Carolina avenue**, W. Rox., 1849; from South street, crossing Call street to B. & P. (now N. Y., N. H. & H.) R.R. opposite Williams street; from South street to Roanoke avenue over what are now Carolina avenue and Newbern street; part from junction with Newbern street to Starr (now Call) street called Child street, 1850; part of Newbern street so called, 1861; altered, extended and constructed from South street to B. & P. R.R., including Child street, March 10, 1873.
- Carolina place**, W. Rox.; from Carolina avenue, nearly opposite John A. Andrew street, south-west.
- *Carpenter street**, So. B.; from Preble street to Hyde street; formerly called Ceylon street; laid out, Nov. 28, 1887. L 2039.
- Carriggs court**, Chsn., 1854-83; from Maudlin street to Water street; called Battery lane, 1714; called Carey street, 1875; called Carey court, 1883.
- Carriggs court**, Chsn., 1883; from Ice court, north-east; shown in 1884 as extending from Water street, north-west, between Carey court and Wapping street in position of court called Ice court.
- Carroll place**, 1834; from Salem street, west, between Baldwin place and Cooper street.
- Carroll's court**, Chsn., from Beacham street, near corner of Arlington avenue, north-west.
- *Carruth street**, Dor., 1869; from Ashmont street to Codman street; laid out, Aug. 12, 1869. L 976.
- *Carson street**, Dor., 1887; from Crescent avenue to Mt. Vernon street at crossing of O. C. (now N. Y., N. H. & H.) R. R. called Carleton or Carlton street, 1860; laid out as Carson street, Jan. 5, 1887. L 1970.
- Cart lane**, B., 1733; from Leverett street, east; called Minot street, 1825.
- Charter place**, B., 1874; from Charter street, north-east, between Jackson avenue and Foster street; called Dillaway place, 1840; Carter place, 1874.
- Carter street**, Dor., 1869; from Neponset turnpike (now avenue), west, crossing Train street; called Boutwell avenue, 1858, and shown as extending to Train street; called Boutwell street, 1874; laid out from Neponset avenue to Train street, and named Boutwell street, May 31, 1882.
- Carter street**, Chsn., from Cambridge street, near Somerville line, and nearly opposite Parker street, southerly, to Roland street; shown in 1874.
- Carver place**, B., 1855; from Carver street, east, south of and near Eliot street.

- ***Carver street**, B., 1803; from Boylston street to Pleasant street; part from Eliot street to Pleasant street called Haskins street, 1803-14; whole street from Pleasant street, north, to the burial-ground (Boylston street), 1817; confirmed as a public street, Sept. 15, 1834.
- Cary place**, Chsn.; from High street, north-east, then south-east, between Bolton place and Sullivan street; shown as unnamed place, 1861; sometimes called Carey place.
- ***Cary street**, Rox., 1875; from Ruggles street at junction with Culvert street to Tremont place (now Terry street); laid out, Dec. 20, 1875; discontinued, Jan. 4, 1895. L 1120, L 1291, L 2684.
- Cary street**, W. Rox., 1866; from Forest Hills avenue to Union terrace.
- Caspar street**, Dor., from Weld street to Lasell street; authority to open given by Street Commissioners, April 20, 1894.
- †**Cass street**, W. Rox., 1849; from Centre street to Spring street, near Spring-street station; called "Granite (formerly Cass) street;" Granite street between Centre street and Powell street laid out and name changed to Cass street, Dec. 10, 1883. L 1748.
- Castle Court**, E. B.; from Everett street, north-east, between Lamson street and Doherty court.
- ***Castle street**, B., 1722; from Washington street to Tremont street; from Orange (now Washington) street, east to the harbor, and west to Cambridge bay, formed the part, from Charles river to Front street (now Harrison avenue), "which goes through the dock," built in the manner of a timber wharf covered with gravel and railed at both sides, in 1817; parts on corresponding sides of Orange street seem to have been called also East and West Castle streets from an early date; West Castle street (from Washington street to Tremont street) named Castle street, June 23, 1874; East Castle street named Motte street, June 23, 1874. L 524, L 546, L 547, L 563, L 566, L 727, L 837, L 838, L 1349.
- Castle Rock street**, Dor., 1895; from Grampian way to Woodland avenue; authority to open given by Street Commissioners, Oct. 7, 1895.
- ***Castle square**, B., 1894; open space at the junction of Chandler street with Ferdinand street and Tremont street; named Castle Square, June 8, 1894.
- Castleton street**, W. Rox., 1895; from Jamaica way to point 100 feet south-east of Catalpa street; authority to open given by Street Commissioners, Jan. 5, 1895.
- Catalpa street**, W. Rox., 1895; from Perkins street, north, crossing Castleton street; authority to open given by Street Commissioners, Jan. 5, 1895.
- ***Catawba street**, Rox., 1854; from Laurel street to Sherman street; laid out, Sept. 7, 1871. L 686.
- ***Catherine street**, W. Rox., 1893; from Bourne street to Florence street; formerly called Spruce street; laid out, Dec. 28, 1893. L 2579.
- Cathedral court**, Rox.; from Washington street, south-east, then south-west to and beyond Cathedral street, 1884.
- Cathedral street**, Rox.; from Fenwick street, north-west, to Cathedral court, 1884.
- ***Causeway street**, B., 1807; from Leverett street to Charles-River bridge at Prince street; from Leverett street to the causeway, shown, 1722; called Mill alley, 1733; Mill street, 1788; part near Leverett street also at times called Walder street; called Causeway street and laid out into the Mill pond, 1807; extended to the foot of Charlestown street, 1819; the portion near Leverett street called Merrimac street by Hale's plan, 1819; accepted, Dec. 11, 1826. Vol. 31, p. 68. L 165, L 280, L 2535.

- *Cazenove place, } B., 1871; from Chandler street to Columbus
 *Cazenove street, } avenue; leading from Chandler street towards
 B. & A. R.R., named Cazenove place, Sept. 12, 1871; laid out, Oct.
 15, 1874; extended to Columbus avenue, Sept. 23, 1878; named
 Cazenove street, March 1, 1882. L 973, L 1318.
- Cedar avenue**, Dor., 1836; from Bowdoin street to Union avenue (now
 Olney street, formerly Love Lane avenue).
- Cedar avenue**, W. Rox., 1870; from Lamartine street to Oakdale street;
 shown from Lamartine street to Nebraska street (now Chestnut
 avenue), but not named in 1848; part from Lamartine street to Oak
 place (now Oakdale street) shown in 1870; part from Chestnut ave-
 nue to Lamartine street laid out with name of Bell street, Oct. 23,
 1888. L 2098.
- Cedar lane**, B., 1826; from Chestnut street, north, near Charles street;
 from Chestnut street to Mt. Vernon street, 1830; called Chestnut
 place, 1839; Chestnut avenue, 1863.
- Cedar park**, Rox.; from Cedar street, near corner of Highland street,
 south-west, to meet Highland Park street.
- ***Cedar place**, Dor.; from junction Monadnock street and Bird street,
 westerly, 1884. L 1552, L 2208.
- Cedar place**, Dor., 1869; from Quincy street to Lawrence avenue;
 called also Cedar street; now called Mascoma street.
- Cedar square**, Rox.; the enclosure between Cedar street, Thornton
 street, an unnamed street and Juniper street; formerly the name
 was applied to a private way of irregular shape and as new streets
 were extended through it, the name was applied to the enclosure.
- Cedar square**, Rox., formerly a private way running north-east from
 Cedar street by two branches, one either side of the square, so
 called, the westerly of which extended past the square with a
 branch to the east along the north side of the square; the easterly
 branch from Cedar street extended northward with an opening into
 Shawmut avenue (now Washington street) and another opening
 into Guild street; shown but not named, 1835-44; part of same
 included in extension of Thornton street to Guild street, Dec. 10,
 1881, and part in Juniper street, same date. L 1578, L 1580.
- Cedar-square avenue**, Rox., 1870; from Shawmut avenue (now Wash-
 ington street) westerly about 150 feet, then southerly towards
 Cedar square and parallel with Shawmut avenue (now Washington
 street); part parallel with Washington street now part of Juniper
 street.
- Cedar street**, B.; see South Cedar street and West Cedar street.
- ***Cedar street**, Rox., 1835; from Washington street to Pynchon street
 (now Columbus avenue), and from N. Y., N. H. & H. R.R. to Terrace
 street; from Dedham turnpike (now Washington street) to Centre
 street, 1835; road from Centre street, opposite Cedar street, to Lowell
 street (afterward Pynchon street, now Columbus avenue), accepted
 and named Cedar street, Sept. 13, 1844; from Highland street to
 Centre street accepted, conditionally, Sept. 3, 1855; same part ac-
 cepted, June 28, 1858; from Shawmut avenue (now Washington
 street) to Highland street accepted, conditionally, Sept. 27, 1858;
 whole street accepted, July 30, 1860; formerly extended across the
 B. & P. (now N. Y., N. H. & H.) R.R., to Terrace street, but was not
 a public way and is now discontinued.
- Cedar street**, Rox.; from Francis (formerly Longwood) street to Elm
 street (now Longwood avenue); Bellevue street, so called, 1850-57.
- Cedar street**, Dor.; from Quincy street to Lawrence avenue; Cedar
 place sometimes so called; now Mascoma street.
- †**Cedar street**, Dor., 1853; from River street, north-west, to Manchester
 street, accepted, June 15, 1853. L 1587.

Cedar street, W. Rox., 1872; from Washington street, near corner of Beech street to Bellevue avenue.

***Cedar street**, Chsn., 1862; from High street to Bartlett street; shown as an unnamed street in 1839; accepted, Oct. 20, 1862; laid out and widened, June 29, 1863; continued and laid out between Laurel street and Bartlett street, March 29, 1870.

Cedar street, Bri., 1840; from Cambridge street to Brookline, crossing Avenue (now Beacon) street; named, June 15, 1840; name changed to South Harvard street, Nov. 10, 1846; called Harvard avenue, Dec. 50, 1873.

Cedar-street court, } B., 1831, from South Cedar (now Winchester)
Cedar-street place, } street east; called Cedar-street court, 1831; Cedar-street place, 1840; South Cedar-street place, 1857.

Cemetery lane or street, Dor.; from Norfolk street, north, along the east side of the Catholic cemetery; shown as an unnamed lane, 1838; called Cemetery street, 1872; at one time connected with Warner avenue, and late a part of, probably made a part of Bernard street; also called Burying-place lane.

Center street, } B., 1773; from Hanover street to North street; from
Centre street, } Ann (now North) street, north-west, called Ball's alley and Penaway's alley previous to 1708; Paddy's alley, 1708; Center street, 1773; named by Selectmen from Ann street, north of the bridge, into Middle (now Hanover) street, 1788; called North Centre street, but no record of naming.

Central avenue, Rox., 1855; from junction of Blue Hill avenue and Warren street, east; sometimes called Centre avenue; now built over.

***Central avenue**, Dor., 1875; from River street to Neponset river; laid out to meet street of like name in Milton, Nov. 13, 1875. L 1092.

Central avenue, W. Rox., 1872; from Washington street, near Cedar street, north-west; laid out as Cornell street, Aug. 7, 1890. L 2256.

Central bridge, B., 1809; Craigie's bridge, sometimes so called.

Central court, B., 1805; from Washington street, east, near Summer street from Newbury (now Washington) street, east, then south, then west to Newbury street, 1816; the southerly entrance from Newbury street was called Deming's, Demming's, or D'Emming court, 1806-16; Avon place, 1824; built over.

Central court, Bri.; at junction of Market street; given as one of the bounds of Lincoln street in order for acceptance of that street, June 13, 1873.

Central place, B., 1842; from Winter street to Music Hall; name changed to Music Hall place, Feb. 25, 1874.

Central place, Chsn.; from Main street, near Devens street, south-west.

***Central square**, E. B., 1833; at junction of Border street, Meridian street, Saratoga street, Bennington street, Porter street, Meridian street and Liverpool street; accepted, laid out according to metes and bounds in deed from East Boston Company to City of Boston and named, Nov. 10, 1851; part accepted, July 12, 1852. Vol. 31, p. 34. Vol. 31, p. 43.

Central square, Rox., 1860; open space lying between the P. O., Guild's buildings, Soren's block and land formerly of Amos Stevens; so named, Dec. 31, 1860.

***Central street**, B., 179-; from Kilby street to Atlantic avenue; existed as a 40-foot passageway from Kilby street down what was then known as Central wharf nearly to the present Broad street, 179-; extended by Broad street, east, across Broad street to India street, 1806; confirmed as a public street, Sept. 15, 1834; opened by Central Wharf and Wet Dock Corporation along south side of State-street

- block, 18—; accepted, conditionally, for a distance of 458 feet, east, from street running between Custom House and State-street block, April 13, 1858; part from India street to west end of State-street block accepted, conditionally, June 1, 1858; extended to Atlantic avenue, Aug. 16, 1876. L 134, L 853, L 1163.
- Central street, W. Rox.;** from Centre street to Central station of N.Y., N. H. & H. R.R., 1884.
- Central street. Bri.;** Centre (now Lincoln) street; so called in 1851 and 1872.
- Central wharf, B.;** from India street, easterly, across Atlantic avenue; from the east side of Atlantic avenue there are two entrances to the wharf proper, the northern one being in continuation of Central street. L 1001.
- Centre avenue, Rox.;** from junction of Blue Hill avenue and Warren street; Central avenue, sometimes so called; now built over.
- *Centre avenue, Dor.,** 1869; from Dorchester avenue to Centre street; laid out, Aug. 12, 1869.
- Centre court, Dor.;** from Centre street, near Adams street, north.
- Centre place, So. B.;** from Preble street, nearly opposite Ward street, south; to Hyde street, 1884.
- Centre place, Rox.,** 1867; from Centre street, near Gardner street, north-west.
- Centre place, Dor.;** from Centre street, north, near junction with Remington street.
- Centre place, W. Rox.;** from Centre street, near Green street, south-east, to Warren square.
- Centre street, B.,** 1800; from Cambridge street, crossing May (now Myrtle) street to the rope-walks; extended to Pinckney street, 1833; name changed to Anderson street, May 21, 1861; also called West Centre street.
- Centre street, E. B.,** 1864; from Orleans street to Marginal street; accepted, conditionally, Jan. 25, 1864; name changed to Haynes street, April 21, 1868.
- Centre street, So. B.;** from Dorchester street to Preble street; name changed to Ward street, Aug. 7, 1855.
- *Centre street, Rox. and W. Rox.,** 1825; from Eliot square to Dedham line; that part of this street lying in Roxbury, and to South street in West Roxbury, laid out, Jan. 19, 1862; called the Middlepost-road from Boston to Hartford; altered from Colonel Draper's through Dedham to Dover line, May, 1795; called "Old road to Dedham," 1823; "Road from the parting stone by J. Riley's store, by Rev. Mr. Gray's meeting-house, by Captain Winchester's to Rev. Mr. Flagg's meeting-house, and on to Dedham line;" named Centre street, May 9, 1825; called Boston road, 1833; name of part in West Roxbury changed to Austin street, May 3, 1852; name of Austin street changed to original name of Centre street, Dec. 2, 1861. L 373, L 1041, L 1138, L 1145, L 1588, L 1595, L 1757, L 1758, L 1955, L 2037, L 2140.
- *Centre street, Dor.,** 1837; from Washington street, opposite Norfolk street, to Adams street; mistake in location (road from Plymouth road to Lower road) rectified, April, 1804; named from Upper road (now Washington street) to Lower road (now Adams street), March 11, 1840. L 584, L 969, L 2758, L 2787, L 2788.
- Centre street, Bri.,** 1846; from Cambridge street to Everett street; called Central street, 1851 and 1872; now Lincoln street.
- Centry Field, B.;** the Common for a long time so called; called also Training field.

Centry or Sentry hill, B., 1708; Beacon hill, then so called; also Century or Centuary Hill.

Centry street, } B., 1708; the highway leading north from Beacon
Centrey street, } street, between Captain Alford's land and Madam Shrimpton's pasture to Centry hill (to the head of the former Temple street), laid open and named Centrey street, May, 1708; an order for continuance to lie open was passed, April 25, 1709; called Century street in list, 1732; from Common (now Tremont) street to Beacon hill, 1784; from Granary on Common street to almshouse on Beacon street, 1800; the part north-west from Beacon street called Summer (now Mt. Vernon) street, 1800; the part from Common street to Beacon street named Park street, 1803; a part of Sudbury street and a part of Court street once so called; also spelled Sentry.

Centurie-hill street, B., a part of Queen (now Court) street was once so called.

Century street, B.; Centry street, so called in list of 1732.

Cerwithy's corner, 1708; corner Prince street and Salem street was then so called.

Ceylon street, So. B.; from Preble street to Hyde street; from Preble street, south, 1874; laid out and name changed to Carpenter street, Nov. 28, 1887. L 2039.

***Ceylon street, Dor.,** 1873; from Quincy street to Bird street; laid out, Nov. 22, 1873. L 912.

Chadwick court, Rox.; from Chadwick street, near Orchard park, south-east.

Chadwick place, Rox., 1872; from Chadwick street, north-west.

***Chadwick street, Rox.,** 1868; from Hampden street to Hartopp place (now Ambrose street) at junction with Trask place (now Orchard-park street); name of Eaton street from Hampden (formerly East) street to Yeoman street changed to Chadwick street, April 21, 1868; laid out through Trask place from Yeoman street to Orchard Park, May 24, 1870; extended to Hartopp place (now Ambrose street), Dec. 31, 1870. L 529.

Chair alley, B.; from Cross street to Richmond street, between Fulton street and Commercial street.

***Chamberlain street, Dor.;** from Algonquin street, north, to Harvard street, nearly opposite Harvard avenue; authority to open given by Street Commissioners, March 24, 1893; laid out July 10, 1896. L 2776.

***Chambers street,** } B.; from Cambridge street to Charles street; the
Chamber street, } third of three streets leading from Cambridge street to Green street, so called in 1732; from Cambridge street, northerly, by the marsh to Mr. Allen's house; so named by Selectmen, July 4, 1788; from Cambridge street to Green street, 1800; extended over Wiltshire street to Poplar street, Sept. 18, 1811; portion formerly called Wiltshire street together with Gravel street (from Poplar street to Leverett street) accepted and named Chambers street, May 26, 1828; part formerly Gravel street named Ashland street, Feb. 22, 1845; but the name Ashland street has been commonly applied only to the part running at right angles to Leverett street; extended to Spring street, through Spring-street place, Jan 6, 1872; extended from Spring street to Brighton street, June 7, 1893; name of Livingston street from Brighton street to Charles street, changed to Chambers street, March 1, 1894. L 579, L 732, L 2519, L 2765.

***Chambers street, Chsn.,** 1780; from City square to Water street; laid out 30 feet wide from Russell's and Odin's land to New Fore (now Water) street, 1780; laid out by a committee by order of Town after the fire, Dec. 23, 1835. L 1974.

- Chambers-street court**, B., 1828; from Chambers street, west, near Cambridge street.
- Chamblet street**, Dor.; from Hartford street to Magnolia street; formerly called Robert avenue; authority to open from Magnolia street to Hartford street given by Street Commissioners, Nov. 17, 1892.
- Champney court**, } B., 1834; from Anderson street, near Revere street,
Champney place, } west.
- Champney court**, So. B.; from Champney street, south-west, to N.Y., N. H. & H. R.R.
- Champney place**, Rox.; from Madison street south-west, then south-east, parallel with Madison street, nearly to Washington street.
- Champney street**, So. B., 1859; from Lowland (formerly Highland, now Mercer) street, north-west, to O. C. (now N. Y., N. H. & H.) R.R., then north-east to Newman street; shown on plan, 1860.
- Champney street**, Bri.; from Washington street to Stratton street.
- ***Chandler street**, B., 1866; from Tremont street to Columbus avenue; called avenue H on plan Back Bay lands; H street from Tremont street to Berkeley street conditionally accepted, Nov. 24, 1865; accepted and name changed to Chandler street, April 28, 1866; laid out from Berkeley street to Columbus avenue, Nov. 3, 1869. L 307, L 354.
- ***Change alley**, } B.; from State street to Market (now Faneuil Hall)
Change avenue, } square; called Pierce's alley, 1708; Change alley 1788; Fitch's alley, 1796; Flagg alley, 1828; named Change avenue, March 22, 1841. L 242, L 1765.
- Channel street**, Dor.; from Walnut street, south-east, to Neponset river (Neponset).
- Channing place**, B., 1852; from Leather square (formerly Sister street), east.
- ***Channing street**, B., 1845; from Federal street to Congress street; called Bury street, from Long lane to Atkinson street, 1708; Barrack lane, 1788; Berry street, 1803; named Channing street, July 14, 1845. L 834, L 835.
- Chapel place** (North), B., 1844; from Friend street, north, near Travers street.
- Chapel place**, B., 1859; from Albany street, west, near Harvard street.
- Chapel place**, B., 1837; from Washington street to Marlboro' chapel; Gillam or Gilman place, 1809; Chapel place, 1837; closed.
- Chapel place**, B.; from Friend street, between Travers street and Market street, north-east.
- ***Chapel street**, Rox.; from Milford place (now Sarsfield street) to Weston street; laid out, July 16, 1885; included in the extension of Columbus avenue, Jan. 4, 1895; a small portion not included in Columbus avenue discontinued on same date. L 1872, L 2683.
- Chapel street**, Rox. and W. Rox., 1867; from Boylston street to Wyman street, between Curtis street (now Chestnut avenue) and Lamartine street; shown as an unnamed street, 1856; name changed to Curtis street, June 22, 1878; named Danforth street, Sept. 12, 1881.
- Chapin avenue**, W. Rox., 1869; from La Grange street, north-east.
- Chapman avenue**, Dor.; from Blue Hill avenue, north-east, to Tucker street; parallel with Lauriat avenue.
- ***Chapman place**, B., 1841; from School street to Bosworth street; called Cook's court, 1733; Chapman place, 1841; reported to have been a public highway for many years, Dec. 24, 1846; extended to Montgomery place (now Bosworth street), Dec. 22, 1882. L 182, L 1675, L 1712.

Chapman place, Chsn.; from Chapman street, between Rutherford avenue and Washington street, south-east; shown but not named in 1846.

***Chapman street**, B., 1852; from Washington street to Tremont street; laid out, including Killam place, Jan. 3, 1852; named, May 24, 1852; extended from Tremont street to Chandler street, Aug. 20, 1860; same portion discontinued (except the part taken by the extension of Appleton street), Sept. 16, 1872; name of part between Tremont street and Washington street changed to Compton street, March 1, 1895. Vol. 31, pp. 18, 19. Vol. 19, p. 124. L 56, L 190, L 197, L 544, L 545, L 720, L 728, L 764.

***Chapman street**, Chsn., 1846; from Main street to Washington street at junction with Austin street; shown but not named, 1844; shown from Washington street to Richmond street, May 2, 1846; laid out from Main street to Lawrence street, Jan. 2, 1851; laid out and accepted from Lawrence street to Austin street, Dec. 18, 1854; widened over lands and flats of Commonwealth, June 29, 1863.

Chardon court, B., 1874; from Chardon street, south-east; called Chardon-street place, 1841; Grant place, 1866; Chardon court, 1874.

Chardon court, } B.; from Chardon street, north; called Chardon
Chardon place, { place, 1840; Chardon court, 1842; Chardon-street
court, 1849; closed.

***Chardon street**, B., 1821; from Bowdoin square to Merrimac street at junction with Portland street; from Bowdoin square to the present Hawkins street was a part of Hawkins street in 1743; called Chardon's lane in 1795 and probably in 1784; Chardon street in 1821; made part of Ivers street (which then extended from Bowdoin square to Merrimac street), Dec. 30, 1859; whole street renamed Chardon street, May 21, 1860. Vol. 31, p. 81-89. L 92.

Chardon-street court, B., 1849; from Chardon street, north; called Chardon place, 1840; Chardon court, 1842; Chardon-street court, 1849; closed.

Chardon-street place, B.; from Chardon street, north-west, now built over.

Chardon-street place, B., 1841; from Chardon street, south-east; Grant place, 1866; Chardon court, 1874.

Chardon's lane, B., 1795; from bottom of Hawkins street, southerly, to Lyman's (*i.e.*, corner Cambridge street); part of Hawkins street prior to 1795; called Chardon's lane in 1795, and probably as early as 1784; called Chardon street (from Hawkins street to Bowdoin square), 1821.

Charles place, So. B.; from Foundry street, near Swan street, south-east; closed; in territory taken by O. C. R.R. by authority of Acts of Legislature of 1893.

Charles place, Chsn.; from Charles street, south-east; shown but not named in 1844; also called Charles-street place.

***Charles street**, B., 1805; from Boylston street, opposite Park square to Leverett street; permission to form and complete 100 feet of new street from Pleasant street to Beacon street parallel with the ropewalks granted, July 6, 1803; laid out from Beacon street to Cambridge bridge, 1805; from Boylston street to Cambridge street, 1809; in 1817 said street extended from the west end of Beacon street to West Boston bridge; accepted as a public street, Sept. 15, 1834; from Livingston street, south-west, 1841; extended from jail land to Allen street, July 31, 1855; North Charles street extended from Allen street to bend in street north of Poplar street, June 12, 1857; extended from Livingston street to Leverett street, Nov. 5, 1858; the street extending from Cambridge street to Leverett street, laid

- out in 1855 and 1857 in parts as "Charles street extended" and "North Charles street;" named Charles street, Feb. 13, 1866. L 45, L 97, L 170, L 175, L 178, L 202, L 278, L 935, L 1439.
- Charles street**, Rox.; from Bumstead lane (now St. Alphonsus street) to B. & P. (now N. Y., N. H. & H.) R.R.; name changed to Ward street, April 21, 1868.
- ***Charles street**, Dor., 1874; from Dorchester avenue to Geneva avenue; laid out from Dorchester avenue to Ditson street, Aug. 3, 1874; extended to Geneva avenue, Aug. 27, 1884. L 954, L 1809.
- Charles street**, W. Rox.; from Spring street, near Dedham line, south-east, then south.
- Charles street**, W. Rox., 1872; from Poplar street, nearly opposite Dale street to Kittredge street; included in the laying out of Cornell street, from Poplar street to Washington street, June 24, 1892.
- ***Charles street**, Chsn., 1850; from Main street to Bunker Hill street; name of School-house street changed to Charles street, Sept 30, 1850.
- Charlesbank**, B., 1889; the name of the park between Craigie's bridge and W. Boston bridge from Charles street, west, to Charles river; named, Aug. 9, 1889; previously called Charles-river Embankment.
- Charlesgate**, B.; the name of the parkway south-west of Massachusetts avenue, extending from Charles river to Back Bay Fens.
- Charlesgate**, east, B., 1887; name of the street extending from Charles river to B. & A. R.R. along the easterly side of the Charlesgate; named, Dec. 30, 1887; at one time it was proposed to name this street Ipswich street. L 1515.
- Charlesgate**, west, B., 1887; name of the street extending from Charles river to Boylston road along the westerly side of the Charlesgate; named, Dec. 30, 1887; at one time it was proposed to name this street Jersey street. L 1515.
- ***Charles-river avenue**, Chsn.; from City square to Charles-river bridge; shown, but not named, 1841.
- ***Charles-river bridge**, B. and Chsn., 1785; from foot of Prince street at Causeway street to Charles-river avenue, 1839; called also Charlestown bridge; this was the first bridge built in Boston.
- Charles-river Embankment**, B.; former name of the park between Craigie's bridge and West Boston bridge from Charles street, west, to Charles river; now called Charlesbank.
- Charles-street place**, Chsn., 1843; from Charles street, south; also called Charles place.
- Charlestown bridge**, B. and Chsn., 1785; from foot of Prince street to Charles-river avenue; called also Charles-river bridge.
- Charlestown ferry**, B. and Chsn.; upon nearly the same site as the bridge until 1786. (The date of the bridge was 1785.)
- Charlestown square**, Chsn., 1803; in front of City Hall; name changed to City square, Jan. 17, 1848.
- ***Charlestown street**, B., 1806; from Haymarket square to Causeway street; laid out from Charles-river bridge across Mill-pond and to Middle (now Hanover) street, May 26, 1806; street accepted, Dec. 11, 1826; said to have extended from Haymarket square to Causeway street in 1840; part of included in Haymarket square, April 21, 1845. L 1039.
- Charlotte street**, Dor., 1896; from Blue Hill avenue to Bradshaw street; authority to open from Old Road to Bradshaw street given by Street Commissioners, June 16, 1896.
- ***Charter street**, B., 1708; from Hanover street, north-west, to Commercial street; from North (now Hanover) street running by the north side of Copp's hill burying-ground towards Charlestown

- ferry, 1708; to the ferry-way, 1732; to Lynn (now Commercial) street, 1803. Vol. 31, p. 60. Vol. 31, p. 71.
- ***Chatham row**, B., 1829; from State street to Chatham street; laid out, May 9, 1827; called Portland street, 1842; named Chatham row, March 18, 1829; at some time called Butler row; renamed Chatham row, July 3, 1848.
- ***Chatham street**, B., 1827; from Merchant's row to Commercial street; part of called Butler's row, 1789; laid out from Merchant's row to Commercial street, March, 1825; named, Jan. 15, 1827.
- ***Chaucer street**, E. B., 1838; from Pope street to Moore street; accepted, Dec. 10, 1861. L 247.
- Chauncey place**, B., 1809; in front of First church, Summer street, 1809; street laid out from Summer street to Bedford street, through Chauncey place and Bedford place, Jan. 3, 1856; same named Chauncey street, Jan. 5, 1856. L 62.
- Chauncy place**, W. Rox., 1857; from Washington street, opposite Boylston street, south-east.
- Chaucy place**, Chsn.; from Decatur street to Moulton street, shown but not named, 1850; shown from Decatur street to Fremont place, 1892.
- ***Chauncey street**, B., 1856; from Summer street to Essex street; continuous highway laid out from Summer street, through Chauncey place and Bedford place, to Bedford street, Jan. 3, 1856; same named Chauncey street, Jan. 5, 1856; extended through Rowe street to Essex street, April 15, 1856. L 62, L 72, L 430, L 840, L 1598, L 1973, L 2202, L 2203.
- Cheapside**, B., 1816; from Tremont street to Brattle alley; laid out and so named, March 5, 1816; street from Court street to the market named Market street, June 11, 1817; sometimes called New Cornhill from Court street to Washington street; named Cornhill, May 6, 1829.
- Checkley's entry**, B., 1732; corner Ann street and Scottow's alley; then so called.
- Cheever court**, E. B.; from Sumner street, near Webster avenue, south-west.
- Cheever's corner**, B., 1800; corner Cambridge street and Staniford street, then so called.
- Chelsea avenue**, E. B. (Breed's Island); from Saratoga street, at junction with Ford street, to Eastern division of B. & M. R.R.
- Chelsea bridge**; from Chelsea street, Charlestown, to Broadway, Chelsea.
- Chelsea court**, E. B.; from Chelsea street, between Porter street and Marion street, north-west.
- Chelsea ferry**, B, from foot of Hanover street to Chelsea; called also Winnisimmet ferry.
- Chelsea Free bridge**; formerly from East Boston to Chelsea; at an early date belonged to "Proprietors of Chelsea Point bridge;" so much as lay in Boston laid out, July 1, 1851.
- Chelsea place**, E. B.; from Chelsea street between Porter street and Decatur street, north-west.
- ***Chelsea place**, Chsn., 1860; from Chelsea street to Water street; formerly a private way; portion from Water street about half-way to Chelsea street, laid out, May 22, 1860; remainder laid out, Nov. 25, 1867; name changed to Hudson street, Feb. 6, 1871.
- ***Chelsea street**, B., 1826; from Shawmut avenue to Tremont street; laid out west of Tremont street, July 24, 1826; named from Tremont street to Suffolk street (now Shawmut avenue), Sept. 15, 1834; name changed to Upton street, April 2, 1857.

***Chelsea street**, E. B., 1833; from Maverick square to Chelsea bridge; from Maverick street to Decatur street, laid out and accepted, May 6, 1850; from Decatur street to Chelsea Free bridge, one-half the width, accepted, May 27, 1850; so much as was not accepted in 1850, laid out as a public highway, Nov. 29, 1852; from Decatur street to Chelsea Free bridge, whole width accepted, June 3, 1856; accepted at junction Bennington street, and at junction Princeton street, Nov. 1, 1858; at junction Saratoga street, Sept. 13, 1859. L 971, L 1653.

***Chelsea street**, Chsn., 1833; from City square to Chelsea bridge; known as Salem turnpike, 1818; laid out as a new street, near site of the fire, to take the place of Gill street (Gill street discontinued) from south-east corner of the square to Joiner street, Dec. 7, 1835; laid out by County Commissioners, March 1, 1836; to be laid out, etc., by Town before May 1, 1837; laid out as a public highway from junction with Mt. Vernon street to Vine street, Sept. 7, 1863. L 2156.

Chelsea-street bridge; from Chelsea street, East Boston, to Marginal street, Chelsea.

Chemical avenue, W. Rox., 1870; from Washington street, between Boylston street and Green street to Brookside avenue; shown in 1843-49, from Dedham turnpike (now Washington street) to Laboratory, but not named; shown on plan in 1870 as "avenue," and in accompanying deed called "Brookside or Chemical avenue;" laid out as a public street and name changed to Cornwall street, June 24, 1886. L 1913.

***Cheney street**, Rox., 1882; from Blue Hill avenue to Elm Hill avenue; private way called Mt. Seaver avenue laid out from Elm Hill avenue to Montana street, as Cheney street, June 26, 1882; extended to Blue Hill avenue, April 11, 1883. L 1617, L 1697.

Cherokee street, Rox.; from Hillside street north-east, then north-west to Pontiac street.

Cherry court, Rox.; from Cherry street, south-east; shown, but not named, 1884.

Cherry place, Rox.; from Tremont street, north-east, between Phillips street and Faxon street; now Sherbrooke place.

***Cherry street**, B., 1837; from Washington street, near Chapman street, to Shawmut avenue; laid out, Dec. 16, 1870. L 545, L 562, L 728.

***Cherry street**, Rox., 1853; from Quincy street, north-east, crossing Dove street; laid out, Sept. 29, 1874; name of Cherry street changed to Dacia street, March 1, 1892. L 964, L 2358.

***Cheshire street**, W. Rox., 1881; from Green street, north-east, near Lamartine street; private way, called Walnut place, laid out as Cheshire street, May 2, 1881. L 1521, L 2210.

Chessman place, B., 1842; from Hanover street, north-west, near Parmer street (formerly Richmond) street.

Chester avenue, B.; see East and West Chester avenue.

***Chester park**, B., 1858; from Washington street to Albany street; from South Bay to Boston Water Power Company's land named Chester Park, June 22, 1858; part east of Harrison avenue named East Chester park, Nov. 16, 1858; from Shawmut avenue to Tremont street named Chester square, Dec. 29, 1858; from Tremont street, west, to Boston Water Power Company's land called West Chester park and so accepted, Dec. 21, 1859; from Washington street to Shawmut avenue named Chester square, March 3, 1864; from Washington street to Albany street named East Chester park, April 27, 1869; East Chester park named East Chester avenue, July 13, 1869, and East Chester avenue named Chester park, April 5,

1870; name of East Chester park, Chester park, Chester square, and West Chester park changed to Massachusetts avenue, March 1, 1894. Vol. 31, p. 1.

Chester place, B., 1860; from Shawmut avenue, near Chester square, east, then south to Northampton street.

***Chester square, B.**, 1857; from Washington street to Tremont street; the part of Chester street called Chester square accepted, Dec. 29, 1857; Chester street named Chester park, June 22, 1858; "so much of the street now known in the records of the City as Chester park between Shawmut avenue and Tremont street" named Chester square, Dec. 29, 1858; part of Chester park from Washington street to Shawmut avenue named Chester square, March 3, 1864; Chester square included in West Chester avenue, July 3, 1869; part of West Chester avenue from Tremont street to Shawmut avenue named Chester square, Oct. 5, 1869; part of West Chester avenue from Washington street to Shawmut avenue named Chester square, April 5, 1870; name of East Chester park, Chester park, Chester square, and West Chester park changed to Massachusetts avenue, March 1, 1894. Vol. 31, p. 1. L 98.

***Chester street, B.**, 1826; from Washington street, west, 1826; named, Sept. 15, 1834; extended from south-east side of Harrison avenue to creek formerly the boundary line between Boston and Roxbury, with mall through same, April 11, 1853; part of Chester street incorrectly named Chester square in 1857; Chester street accepted, Dec. 7, 1857; name of Chester street from South Bay to Boston Water Power Company's land changed to Chester park, June 22, 1858; name of East Chester park, Chester park, Chester square, and West Chester park changed to Massachusetts av., March 1, 1894.

Chester street, Dor.; from Oakland street, near N. E. R.R., north-east, to near Blue Hill avenue.

***Chester street, Bri.**, 1841; from Brighton avenue (formerly North Beacon street) to Ashford street; accepted, conditionally, Dec. 30, 1873; accepted, Sept. 16, 1876. L 1169.

Chesterfield street, Rox.; from Massachusetts avenue to Allerton street.

Chestnut avenue, B., 1863; from Chestnut street, near Charles street, to Mt. Vernon street; called Cedar lane, 1826; Chestnut place, 1839, Chestnut avenue, 1863; laid out as Malcom street, Dec. 16, 1891.

***Chestnut avenue, W. Rox.**, 1877; from Green street to Centre street; part from Green street to Boylston street called Nebraska street, 1848; Chestnut street, 1857; part from Boylston street to Wyman street called Curtis street, 1852; both laid out as one street, and named Chestnut avenue, Dec. 26, 1877; Gilbert street, from Wyman street to Centre street, made part of Chestnut avenue, Feb. 6, 1886. L 1128, L 1499.

Chestnut court, Chsn.; from Chestnut street, near Chelsea street, north-west.

Chestnut grove, W. Rox.; from Centre street, opposite Pond street, south-east.

Chestnut knoll, Bri.; from Englewood avenue.

Chestnut park, Bri., 1870; private way, shown on plan Middlesex So. Reg. Lib. 1134, f. 641, but not named.

Chestnut place, B., 1839; from Chestnut street, near Charles street, to Mt. Vernon street; called Cedar lane, 1826; Chestnut place, 1839; Chestnut avenue, 1863.

Chestnut place, So. B., 1871; from B street, between West Fifth street and West Sixth street, to N. E. R.R.; named June 20, 1871.

Chestnut place, W. Rox.; 1870; from Chestnut avenue, near Spring Park avenue, north-west.

Chestnut square, W. Rox.; from Chestnut avenue, nearly opposite Chestnut place, south-east, then north-east; authority to open given by Street Commissioners August 26, 1896.

†**Chestnut street**, B., 1800; from Walnut street, parallel with Beacon street, across Brimmer street, nearly to Charles river; from Walnut street, west, to the water, 1800; extended to Charles street, Dec. 2, 1822; accepted, Dec. 31, 1827; extended toward Charles river, bounding west on a passageway, March 11, 1833; part west of Charles street accepted, conditionally, Aug. 7, 1855; from Charles street to Messinger (now Brimmer) street accepted, Aug. 25, 1857; recommendation for acceptance to sea-wall when street should be extended and graded by abutters and offered to the City, March 4, 1867. L 114, L 266, L 276.

***Chestnut street**, Rox., 1833; from Elm avenue (now Mt. Pleasant avenue), near junction of Dudley street and Dearborn street, to same at a point near Blue Hill avenue; accepted, May 11, 1840; name changed to Forest street, April 20, 1868.

Chestnut street, Dor.; from Eben I. Andrews to Dorchester turnpike, probably near Cottage street, and through land of Andrews; named, March 11, 1840; discontinued, March 14, 1853.

***Chestnut street**, W. Rox., 1860; from Perkins street, north, to Brookline line; laid out over part of Chestnut street and Pond lane from Perkins street to Washington, later Tremont street, and now Huntington avenue, Nov. 20, 1867; street laid out from point in Perkins street, near gate-house of Jamaica Pond Aqueduct, and running northerly to boundary line between West Roxbury and Brookline, at point where Chestnut street in Brookline meets the boundary, following nearly the same path or private way then existing, and same named Chestnut street, Nov. 20, 1867; shown as Pond avenue, 1874.

Chestnut street, W. Rox., 1852; from Green street to Boylston street; shown as Nebraska street, 1843-49; no record of change of name; laid out by Selectmen as Chestnut street (that evidently being its established name) and accepted by the Town, July 25, 1868; together with Curtis street, named Chestnut avenue, Dec. 26, 1877.

***Chestnut street**, Chsn., 1845; from Monument square to Chelsea street; part from Monument square, south-east, shown but not named, 1839; laid out from Adams street to Lexington street (Monument square), May 5 1845; name of Townsend street (from Adams street to Chelsea street) changed to Chestnut street, June 20, 1846. L 2492.

***Chestnut Hill avenue**, Bri., 1872; from Washington street, opposite Market street, to Brookline line; shown as "road" in 1843; named Rockland street from near Parish house, south, to South street and continued to Brookline line, 1840; name changed to Chestnut Hill avenue, Dec. 27, 1872. L 1573, L 1630, L 2720.

Chestnut Hill driveway, Bri.; from Commonwealth avenue, around the Chestnut Hill reservoir, to Beacon street.

***Chickatawbut street**, Dor.; from Neponset avenue to Glide street; from Neponset turnpike to Baptist meeting-house located, May 2, 1853; extended from the church to Plain street, March 2, 1868; extended again, March 1, 1869.

Chickering place, B., 1855; from Washington street, opposite Avery street to Harrison avenue; from Washington street, east, called Sweetser's alley, 1798; Sweetser's court, 1809; Chickering place, 1855; part included in extension of Harrison avenue, July 6, 1881.

***Child street**, W. Rox.; from South street to Call street; the Eastern end of Carolina avenue, from Newbern street to Starr (now Call) street, called Child street, 1850, and part of Child street, from Lee street to Starr street, called Jamaica street; latter street called

- Child street, 1860; Carolina avenue extended to railroad over street formerly Child street, previous to 1873; Child street laid out from Call street to Lee street, Dec. 12, 1881; laid out from Lee street to South street, June 22, 1892. L 1582, L 2406.
- Chilson place**, B., 1844; from Lyman street, north; included in extension of Staniford street, May 11, 1886.
- Chip street**, Chsn.; from Moulton street to Medford street; laid out and accepted and name changed to Corey street, May 23, 1853.
- Chipman street**, Dor., 1870; from Norfolk street, opposite the cemetery, to Torrey street.
- *Chiswick road**, Bri.; from Chestnut Hill avenue to Englewood avenue, laid out Nov. 13, 1895. L 2720, L 2742, L 2743, L 2744.
- Choate street**, B., 1846-53; from Pleasant street, near the Common; supposed to be what is now called Providence street.
- Christian court**, B., 1848; from Canal street, near Market street, southwest; now built over.
- Church avenue**, So. B.; from West Broadway, near E street, to Silver street.
- Church court**, Chsn; from Warren street, at Thompson square, northeast.
- Church green**, B ; vacant space at intersection of Bedford street and Summer street; early so called and sold to religious society in 1715. L 306.
- Church lane**, Bri.; from Cambridge street to Brighton avenue, near Union square.
- Church place**, B., 1844; from Church street, east, next south of Madison place; called Moore place, 1840; Church place, 1844; now closed.
- Church place**, B., 1896; from North Grove street, west; formerly called Davis court.
- Church place**, Rox., 1868; from Cabot street, nearly opposite Culvert street, south-east.
- Church place**, Dor.; from Washington street, near Centre street, east.
- Church square**, B., 1708; from Cornhill (now Washington street), nearly opposite King (now State) street, round the old meeting-house, or old brick church, 1708-1800; called Cornhill square, 1817; Cornhill court, 1834; now a part of Court avenue.
- *Church street**, B., 1835; from Tremont street to Columbus avenue, and from Providence street to Boylston street; from Fayette street, north, across the B. & P. (now N. Y., N. H. & H.) R.R., with proposed extension to meet proposed extension of Boylston street, in 1835; extended north to Boylston street, 1846; accepted, May 24, 1852; extended from Fayette street, south, to Tremont street, through Lincoln court, June 24, 1852; portion adjoining estate of B & P. R.R. Corporation from Providence street to proposed extension of Columbus avenue discontinued, Nov. 10, 1871. Vol. 31, p. 40. Vol. 31, p. 49. Vol. 31, p. 52. L 60, L 387, L 391, L 392, L 393, L 394, L 613.
- *Church street**, Dor., 1840; from Adams street at Eaton square to High street; from Captain Eaton's by Dr. Thaxter's and Mr. Colyer's so named, March 11, 1840; from Bowdoin street to Winter street, the rest of the street being called Highland street, 1874; part west of Adams street named Bowdoin street, March 1, 1882; laid out from Winter street to High street, Oct. 16, 1891. L 765, L 1010, L 1414, L 2349.
- *Church street**, W. Rox., 1830; from Centre street, opposite South street, to Brookline line.

- Church street**, Bri., 1863; from Washington street to Mt. Vernon street; called also Cochran lane; called Worcester street in 1875; laid out with name of Eastburn street, June 11, 1886. L 1911.
- Churchill place**, Dor., from Washington street at Lower Mills, nearly opposite Richmond street, south-west.
- Circuit place**, Rox.; from Circuit street, south-west; Fenwick street laid out through it to Hulbert street, Jan. 14, 1884.
- Circuit square**, Rox.; from Circuit street, near corner of Regent street, south-west.
- ***Circuit street**, Rox., 1845; from Walnut avenue, westerly, to Regent street, thence northerly to Washington street; first shown running from Dedham turnpike (now Washington street) to Warren street; extended to Walnut street (now avenue) previous to 1858; laid out between Walnut avenue and Shawmut avenue (now Washington street), July 1, 1871; Walnut avenue afterwards opened through a part of Circuit street. L 634, L 635, L 636, L 637.
- City court**, B., 1822; from Fish (now North) street, west; called Mechanic street, 1825.
- ***City Hall avenue**, B., 1861; from School street to Court square; east side of City Hall; named, Dec. 31, 1861. L 1350.
- City Point court**, So. B.; from East First street; near O street, south.
- City Point park**, So. B.; east of Q street, between said street and the water; now called Marine Park.
- ***City square**, Chsn., 1848; at junction of Main, Park, Chelsea and Chamber streets, Charles-river avenue, Warren avenue, Bow and Harvard streets; shown but not named, 1838; formerly called Charlestown square; named City square, Jan. 17, 1848. L 1549, L 1815.
- City wharf**, B., 1855; from Commercial street, opposite South Market street, to the water; accepted, Aug. 6, 1855; named City wharf, Sept. 10, 1855; included in extension of South Market street to Atlantic avenue, April 2, 1872. Vol. 31, p. 47. L 46, L 1000.
- Clafin place**, B., 1834; from Pleasant street, west, near London (now Kirkland) street; a portion included in the extension of Shawmut avenue in 1870; the remainder later built over. L 549.
- Clafin street**, So. B.; from B street to E street, north-east of, and parallel with Mt. Washington avenue.
- Clapboard street**, B., 1795; from Olive (now Mt. Vernon) street, opposite Hancock street (now south part of Joy street), north, about to the present Pinckney street; Belknap (now Joy) street extended south from May (now Myrtle) street through Clapboard street across Olive street and thence through George (earlier Hancock) street to Beacon street, 1803; named Joy street, 1851.
- Clapp place**, Dor., 1851; from Boston street, south-east.
- Clapp street**, So. B., 1866; from West Seventh street to West Eighth street; laid out as a public street with name of Loring street, Aug. 27, 1884. L 1808.
- †**Clapp street**, Dor. and Rox., 1870; from Boston street, north-west, then west crossing Oak street nearly to N. E. R.R.; laid out and accepted from Boston street to East Chester park (now Massachusetts avenue), Sept. 13, 1883. L 1730.
- Clapp's building**, B., Bulfinch place, so called in 1807.
- Clap's corner**, B., 1800; corner of Fish (now North) street and Proctor's lane (now Richmond street) then so called.
- ***Claremont park**, B., 1870; from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R.; part of Worcester street, from Columbus avenue to B. & P. R.R., named Claremont park, Nov. 22, 1870. L 502, L 516.

Claremont street, B.; from Claremont park to West Rutland square; probably a part of Carleton street.

Clarence place, Rox., 1870; Clarence street from George street, south-west, so called.

Clarence place, Dor.; from Washington street to Whitfield st.

***Clarence street, Rox., 1871;** from Dudley street to George street; named, Jan. 2, 1873; laid out, Nov. 28, 1879. L 1406.

Clarence street, Rox., 1873; from Bartlett street to Marie avenue.

Clarence street, W. Rox., 1870; from Spring street (near Dedham line) to Belle avenue; portion between Spring street and Hamilton street laid out with name of Gould street, Sept. 28, 1888. L 2094.

Clarendon avenue, W. Rox., 1869; from junction of Roslin avenue and Kittredge street, southerly and westerly, crossing Metropolitan avenue; at its intersection with Poplar street the two join for a distance and again separate; called also Clarendon street, 1887; Clarendon avenue extended only to Poplar street, the part from Poplar street to Metropolitan avenue bearing no distinct name, while the part formerly extending westerly from Metropolitan avenue is carried through to Dale street and called Burley street; street between Poplar street and Metropolitan avenue laid out as Maynard street, Oct. 17, 1887; portion of Clarendon avenue between Augustus avenue and Kittredge street laid out as Whitford street, Oct. 23, 1888. L 2099.

Clarendon avenue, W. Rox.; from Metropolitan avenue, south-west, opposite Maynard street.

Clarendon avenue, W. Rox.; from Beech street to Hauteville street, called also Clarendon street.

Clarendon park, W. Rox., 1870; from Poplar street, south-west, to Metropolitan avenue, crossing Clarendon avenue.

Clarendon place, B., 1868; from Berkeley street to Clarendon street; laid out and name changed to Gray street, Oct. 11, 1870.

***Clarendon street, B., 1860;** from Tremont street to Columbus avenue, and from B. & P. (now N. Y., N. H. & H.) R.R. to Beacon street; called Avenue B on plan of Back Bay lands, 1855; called Clarendon street from Beacon street to B. & P. R.R., 1860; from Tremont street to Boylston street, 1863; laid out from Appleton street to Warren avenue, May 21, 1867; from Warren avenue to Tremont street, Oct. 16, 1867; from Appleton street to Chandler street, April 12, 1870; from Chandler street to Columbus avenue, July 19, 1870; from Beacon street to B. & P. R.R., Nov. 6, 1870. L 354, L 374, L 410, L 543.

Clarendon street, W. Rox., from junction of Roslin avenue and Kittredge street, south and west, across Metropolitan avenue; Clarendon avenue sometimes so called.

Clarendon street, W. Rox., 1871; from Beech street to Hauteville street; called also Clarendon avenue.

Clark court, } W. Rox.; from Lamartine street, near Lamartine court,
Clark place, } south-east, to the railroad.

Clark court, Chsn.; from Bunker Hill street, south-west, opposite burying ground.

Clark
Clark's } square, B., 1708; " the Square liing on ye Southly side of the
Clarke's }

North Meeting House including ye wayes on each side of ye watch-house " 1708; shown in 1722 as Clarke's square; in 1729 as Clark's square and was the enclosure between Moon street, Garden court, Sun court and Fleet street; named North square, 1788.

- *Clark** }
Clark's } street, B., 1788; from Hanover street to Commercial street,
Clarkes }
- called Foster street, from Ship (now Commercial) street, to North (now Hanover) street in list of 1732; named Clarkes street, July 4, 1788; shown as Foster's lane, 1800; called Clark street in Edes list, 1800; called Clark street, in list, 1817; widened and laid out from Ann (now North) street, to Commercial street, May 2, 1836. Vol. 31, p. 58. L 12, L 149.
- Clark street**, Rox., from Ruggles street, north-east, to Sudbury (now Weston) street; opened by William Clark through his land; named Windsor street, April 21, 1868.
- Clark street**, Dor., 1872; from Bellevue street, south-west, crossing Hamilton avenue (now Barrington street); laid out from Quincy street to Barrington street, with the name of Clarkson street, May 28, 1890. L 2226.
- *Clark's alley**, B., 1824; from Hanover street to Ann (now North) street, south of Richmond street; confirmed as a public way, Sept. 15, 1834; a portion near Hanover street now built over and the remainder called Keith's alley, 1868.
- Clark's (Jonas) corner**, B., 1708; corner of Middle (now Hanover) street and Bennet street then so called.
- Clark's corner**, B., 1732; corner of Common (now Tremont) street and School street then so called.
- Clark's corner**, B., 1732; corner of Cornhill (now Washington street) and Spring lane then so called.
- Clark's corner**, B., 1732; corner Summer street and Bishop's alley (now Hawley street) then so called.
- Clark's (Dr.) corner**, B., 1732; corner Fish (now North) street and Gallop's alley (now Board alley) then so called.
- † **Clarkson street**, Dor., 1890; from Draper court to and beyond Barrington street; called Clark street from Bellevue (now Quincy) street, south-west, crossing Hamilton avenue (now Barrington street), 1872; laid out from Quincy street to Barrington street, May 28, 1890. L 2226.
- Clay place**, Rox., from Clay (now Linden-park) street, opposite Simmons street, south-west.
- *Clay street**, Rox., 1839; from Tremont street, south-east, to Simmons street; accepted, Dec. 10, 1861; shown in 1884 as extending past Simmons street to Stony brook sewer; name of Clay street from Tremont street to Simmons street changed to Linden-park street, March 1, 1885.
- Clay street**, Dor.; from Neponset avenue to Commercial street, at Pope's Hill station; laid out and named Pope's Hill street, Dec. 8, 1882. L 1669.
- Clayton place**, Rox., 1850; from Magazine street, south-east.
- Clayton place**, Dor.; from Clayton street, south-easterly, toward railroad.
- † **Clayton street**, Dor., 1870; from Park street to Greenwich street, at its junction with Commercial (now Freeport) street; laid out from Greenwich street to Dickens street, May 19, 1882. L 1611.
- Clearview street**, Dor., 1894; from Blue Hill avenue, opposite Fessenden street, to Back street, nearly parallel with Walk Hill street; authority to open from Blue Hill avenue, near Walk Hill street, given by Street Commissioners, Dec. 26, 1894; abandoned; Ponemah street is in about the same location as a part of this street.
- Clement avenue**, W. Rox.; from end of Farrington street, west, parallel with West Roxbury branch of B. & P. (now N. Y., N. H.

& H.) R.R. to Park street; authority to open, from Park street to Flora street, given by Street Commissioners, Nov. 17, 1883.

Clement street, Dor.; from Gorham street to Nixon street, near Centre street.

***Cleveland place**, B., 1846; from Snowhill street to Margaret street; called Margaret alley, 1814; Margaret avenue, 1837; Cleveland place, 1846.

Cleveland avenue, Bri.; from Everett street, near North Beacon street, south-east; also called Cleveland place.

Cleveland place, Bri.; from Everett street, near North Beacon street, south-east; also called Cleveland avenue.

***Cleveland street**, Rox., 1854; from Winthrop street to Moreland street, opposite Greenville street; laid out, June 24, 1875. L 1053.

Cleveland street, E. B.; from Putnam street, north-east, to parkway leading to Wood Island Park; authority to open given by Street Commissioners, April 21, 1893.

Cliff place, Rox.; from Cliff street, south-east, nearly opposite Glenwood street.

***Cliff street**, Rox., 1844; from Warren street, near Circuit street, to Washington street; shown as an unnamed 30-foot passageway in 1840; shown as Cliff street, 1843-49; from Warren street to Dedham turnpike (now Washington street) subsequently called Cottage street, 1857-63; name changed from Cottage street to Cliff street, April 21, 1868; laid out to Shawmut avenue (now Washington street), Dec. 16, 1870. L 594, L 595, L 596.

Clifford place, B., 1854; from Fleet street, north-east.

***Clifford street**, Rox., 1845; from Warren street, opposite Dale street, to Blue Hill avenue; laid out, March 8, 1872. L 501.

Clifford street, W. Rox.; from Canterbury street to Grew avenue, near B. & P. (now N. Y., N. H. & H.) R.R., and parallel with railroad for part of the way.

Clifton avenue, B., 1840; from Suffolk street (now Shawmut avenue) to Middlesex street; closed.

Clifton park, Rox.; from Clifton street, between Shirley street and Hudson street, south-east, connecting with Brook place; also called Clifton place.

Clifton place, B.; from Washington street, north-west, nearly opposite Newcomb street.

***Clifton street**, Dor., 1862; from Dudley street to Shirley street, opposite George street; laid out from Cottage (now East Cottage) street to Hudson street, Aug. 12, 1869; extended from Hudson street to Shirley street, at George street, Sept. 1, 1875; from Cottage street, to Dudley street, in part through private way called Taylor avenue, June 15, 1883. L 1074, L 1707, L 1708.

Clifton street, W. Rox., 1852; from Norfolk street to Kittredge street (formerly Roslin avenue), crossing Albano street.

Clinton court, Chsn., 1870; from Cambridge street, west of B. & M. R.R., north; also called Clinton place.

Clinton place, Chsn., 1870; from Cambridge street, west of B. & M. R.R., north; also called Clinton court.

***Clinton street**, B., 1824; from Merchant's row to Atlantic avenue; from Merchant's row, east, 1824; laid out (as a new street) from Merchant's row to Commercial street, parallel with North Market street March 10, 1828; same named, April 8, 1829; having become obstructed near Commercial street, "continued to Commercial street and laid out" again, Oct. 10, 1831; laid out again, extended to (Mercantile street) and discontinued in part, July 7, 1854; to Mer-

cantile street, 1856; extended to Atlantic avenue, Oct. 8, 1875. Vol. 31; p. 104. L 20, L 614, 1042, L 1081, L 2751.

Clinton street, Dor.; from Waterlow street to Faxon street; a part of what was formerly called Waterlow street.

***Clive street**, W. Rox., 1888; from Boylston street to Spring Park avenue; called C street in 1868; laid out, July 17, 1888. L 2077.

Clough street, B., 1733; from Frog lane (now Boylston street) to Hollis street, 1733; later to Dr. Byle's at corner of present Common street, to Orange (now Washington) street, through Walker lane or street (now Common street), 1743; from Orange street to Dr. Byle's house at present corner of Tremont street and Common street, 1750, from Dr. Byle's to Frog lane being called Holyoke street; from Orange street to Frog lane, including Clough and Holyoke streets, named Nassau street, July 4, 1788; same included in Common street, 1824; Common street named Tremont street, 1829; part of Tremont street, from Miss Byle's to Washington street, named Common street again, 1836.

Clough street, B., 1756; Unity street, from Charter street to Love lane (now Tileston street), so called.

***Clyde street**, E. B., 1869; from Marginal street, south-west, to Cunard S.S. wharf; laid out, Aug. 17, 1869; named, Sept. 14, 1869. L 110, L 476.

***Cobb street**, B., 1870; from Washington street, near Castle street to Shawmut avenue; laid out, Dec. 16, 1870. L 547, L 563.

Cobb street, B., 1840; from Washington street to Harrison avenue; name changed to Florence street, 1842.

***Cobden street**, Rox., 1871; from Walnut avenue, near Westminster avenue to Washington street; laid out, Sept. 23, 1871. L 693.

Coburn court, B., 1867; from Phillips street, south, near Anderson street.

Coburn place, B., 1875; from Reed street, near Northampton street, north-west.

Cochran lane, Bri., 1863; from Washington street, south-west; Church street, so called.

Codman avenue, Rox., 1871; from Washington street to Amory street; laid out as a public street, with name of Dimock street, Oct. 20, 1884. L 1826.

Codman hill, Rox.; from Washington street, near Codman street, south-east to Codman park; formerly called Codman park.

Codman park, Rox., 1870; from Townsend street, south to Codman place, and west from about middle point in T form to Washington street; from Shawmut avenue (now Washington street), between Townsend street and Cobden street named, June 8, 1870; portion from Townsend street laid out, July 16, 1877; portion from Washington street now called Codman Hill. L 1254.

Codman place, Rox.; from Washington street, near Cobden street, south-east, to Codman park.

***Codman street**, Dor., 1859; from Adams street to Morton street; from Adams street to Washington street located; March 28, 1859.

Coffee court, } Dor.; from Washington street, near School street, west.
Coffee place, }

Coffey street, Dor.; from Newhall street to Neponset avenue, between Newhall avenue and Ashmont street.

Coffin's field, B., 1775; between Essex street, Summer street, Short street and South street.

Coggin street, Chsn., 1837; from Bunker Hill street to Mystic river; later called Linden street; now part of Baldwin st.

- † **Cohasset street**, W. Rox., 1889; from Corinth street to Dudley avenue; formerly called Salem street, between Corinth street (formerly Basto place) and Albano street; laid out between Corinth street and Albano street, Oct. 30, 1889. L 2186.
- Colberg avenue**, W. Rox.; from Beech street to Belgrade avenue.
- Cold lane**, } B., 1708; from Hanover street, north-west, to the Mill-
- Cole lane**, } pond; called Cole lane on Carlton's map, 1800; also in order for filling in Mill-pond, 1807; included in Portland street about 1809.
- Coleburn's lane**, } B.; Avery street, so called at one time, probably
- Colburne's lane**, } between 1709 and 1732.
- * **Coleman street**, Dor., 1872; from Bellevue (now Quincy) street, near Bowdoin street to Hamilton street (or avenue, now Barrington street); laid out, April 18, 1881. L 1520.
- † **Coleridge street**, E. B., 1838; from Rice street to Swift street; from Rice street across Short street to the water, with proposed extension to Baltic street in 1838; laid out from Wordsworth street to Short street, Aug. 6, 1889. L 2147.
- Cole's place**, B., 1839; from Pleasant street to Church street; Hamlen place, 1844; now closed.
- Collamore place**, B., 1857; from Salem street, near Parmenter street, south-east, then north-east.
- College court**, B., 1849; from Fruit street; probably included in North Grove street in 1855.
- Collins street**, Dor., 1872; from Blue Hill avenue, opposite Mattapan station, north-west.
- Collins street**, E. B. (Breed's Island); from Bayswater street to Riverside avenue, parallel with Saratoga street.
- Colonnade row**, B., 1811; a uniform range of 24 brick buildings, each with row of freestone columns, upon Common (now Tremont) street, south of West street; called Fayette place, 1824.
- Colonial avenue**, Dor.; from Talbot avenue to New England avenue.
- Colonial road**, Bri.; from Commonwealth avenue to Chestnut Hill avenue.
- Colony place**, Rox.; From Albany street, near Hunneman street, to Fellows street.
- * **Colony street**, So. B., 1849; from Swan street, near Dorchester avenue, to Foundry street; accepted, conditionally, Oct. 29, 1849; laid out between Sixth (now Foundry) street and Swan street, Oct. 12, 1869; closed; taken by O. C. R.R. Co. by authority of the Acts of Legislature of 1893. L 483, L 555.
- Colson's lane**, B., 1746; "near the great trees at the south end."
- * **Colton street**, So. B., 1888; from West First street to West Second street; Green alley between West First street and West Second street; laid out, Dec. 31, 1888. L 2110.
- Columbia court**, Chsn., 1866; Columbia street so called.
- Columbia court**, Chsn., 1880; from rear 662 Main street, 1880-87.
- Columbia place**, Dor., 1846; from Columbia street, near Geneva avenue, to Vaughan avenue; closed.
- Columbia place**, Dor.; from Columbia street, near Quincy street, north-west.
- * **Columbia street**, B., 1809; from Bedford street to Essex street; confirmed as a public street, Sept. 15, 1834.
- * **Columbia street**, Rox. and Dor., 1840; from Hancock street at Upham's corner to Blue Hill avenue; named from Payson's shop by Wales' to Brush hill, March 11, 1840. L 561, L 790, L 955, L 1282, L 1308, L 1402, L 1979, L 2536.

Columbia street, Chsn.; from Main street to Perkins street; shown but not named, 1858; called Columbia court, 1866; laid out as a public street, and named Caldwell street, June 7, 1887. L 1992.

Columbia terrace, Dor.; from Columbia street at junction with Richfield street, south-east.

***Columbus avenue**, B. and Rox., 1860; from Park square to Walnut avenue, opposite Franklin park; in 1860 projected from Park square to Roxbury line, over land of Boston Water Power Co.; laid out from Church street to Ferdinand street, Oct. 9, 1868; order authorizing Mayor and Aldermen to contract with Boston Water Power Co. for transfer to City of Columbus avenue and streets between it and B. & P. (now N. Y., N. H. & H.) R.R., Nov. 18, 1868; laid out from Ferdinand street to Northampton street, Oct. 16, 1869; from Church street to Park square, Dec. 29, 1871; from Northampton street, south-west, to near old Roxbury line, Dec. 30, 1881; extended from near old Roxbury line, through Berlin street, Chapel street, Windsor street, a portion of Tremont street, Pyncheon street, a portion of Brunswick avenue, and through that part of Seaver street, between Washington street and Walnut avenue, Jan. 4, 1895. L 354, L 398, L 410, L 452, L 515, L 516, L 569, L 613, L 745, L 878, L 1448, L 1584, L 2680, L 2681, L 2682, L 2683, L 2684, L 2685, L 2686, L 2687, L 2688, L 2689, L 2690, L 2691, L 2692, L 2693, L 2694, L 2695, L 2696, L 2697.

Columbus place, B., 1869; from Eliot street, near Carver street, north; named, Sept. 13, 1869.

***Columbus square**, B., 1876; between Warren avenue, and Columbus avenue; part of Warren avenue bounded by Pembroke street, West Newton street and Columbus avenue; named Columbus square, April 4, 1871.

Colwell place, Bri.; from Chestnut Hill avenue, near South street, north-west; called also Colwell avenue.

Comins terrace, Rox.; from Bower street, nearly opposite Sherman street, south-east; laid out June 14, 1895. L 2706.

***Commerce street**, B., 1853; from Commercial street to Atlantic avenue; from Commercial street, east, in 1853; accepted, conditionally, Nov. 26, 1866; extended to Atlantic avenue, Dec. 24, 1874. L 614, L 1002.

Commercial avenue, B., 1834; from Ann (now North) street, at head of Union wharf; continued to Commercial street, March 10, 1834; named Commercial avenue, April 28, 1834; discontinued March 13, 1835.

Commercial avenue, Chsn., 1870; from Alford street, north-west, to Somerville line; Arlington avenue, so called.

Commercial court, B., 1836-41; from Commercial street, near Fulton street; closed.

Commercial court, B., 1849; from Commercial street, between Jackson avenue and Foster street, south-west; called Commercial-street avenue, 1839; Commercial court, 1849; called Commercial place, 1875; Commercial court, 1883.

Commercial place, B., 1849; from Commercial street to Charter street, with branch north-west to Foster street; from Commercial street, near Henchman street, 1849.

Commercial place, B.; Commercial court, so called 1875.

Commercial point, Dor.; from Freeport street, opposite foot of Washington street and Union street.

Commercial street, B., 1817; that part of Milk street, from Battery-march street to the water, named Commercial street, May 29, 1817; renamed Milk street, July 6, 1824.

- ***Commercial street**, B., 1828; from State street to Prince street; a marginal street 65 feet wide projected from North Market street to Lewis wharf, April 17, 1826; order for erection of bridge over Mill creek connecting Marginal street, so called, with the 65-foot street leading to Long wharf, July 28, 1828; the marginal street above described accepted and named Commercial street, Dec. 22, 1828; the 65-foot street leading from Long wharf to southerly end of Commercial street considered continuation of same and named Commercial street, June 17, 1829; extended to Clark street, July 15, 1833; from present terminus to Hanover street, Oct. 17, 1833; Lynn street, from Prince street to Hanover street, and part of Ann (now North) street, from Hanover street to Commercial street, named Commercial street, Feb. 17, 1834. Vol. 31, p. 47. L 17, L 33, L 134, L 1384, L 1385, L 1386, L 1387, L 1388, L 1392, L 1393, L 1394, L 1395, L 1396, L 1947.
- ***Commercial street**, Dor., 1810; from Hancock street to Neponset avenue; road from Quincy turnpike (now Neponset avenue) to Commercial point, with bridge over Mill creek and draw, originally built by authority of the General Court in or about 1809; having become unsafe and impassable, the same were rebuilt by the Tenean Free Bridge Co., 1833, and again laid out by County Commissioners, 1844; called old Plymouth road, between Dorchester almshouse and Commercial point; same named Commercial street, March 11, 1840; name changed to Freeport street, March 1, 1892. L 710, L 721, L 1840, L 1862.
- Commercial-street avenue**, B., 1839; from Commercial street, opposite Ripley's wharf; called Commercial court, 1849.
- Common, The**, B.; between Park street, Beacon street, Charles street, Boylston street, and Tremont street; early called Centry field and Training field.
- ***Common street**, B., 1824; from Washington street to Tremont street; called Walker's lane or Walker's street, 1741; a part of Clough street, 1743; a part of Nassau street, 1788; called Common street and considered a part of the continuous street, from corner of Harvard street to Washington street, 1824; the whole named Tremont street, 1829; part from Washington street to present Tremont street, named Common street again 1836.
- Common street**, B., 1708; from School street through the Common to Frogg lane (now Boylston street), 1708; from the corner of Howard street, over Pemberton Hill, through Tremont street and Nassau street to Washington street, 1824; part from Washington street to Court street, named Tremont street, and part from junction with Court street to Howard street named Pemberton Hill, April 22, 1829; last-mentioned part named Tremont street, Nov. 4, 1844; parts of Common street called Colonnade row, Fayette place and Long acre at different times.
- ***Common street**, Chsn., 1831; from Winthrop street to Adams street, on south-west and south-east sides of Winthrop square; streets leading round the Training field on south-west and south-east sides named Common street, March 14, 1831.
- ***Commonwealth avenue**, B., Rox. and Bri., 1862; from Arlington street to Newton line; laid out as Avenue Five, from Avenue I. (now Berkeley street) to Cross-dam (now Parker street), 120 feet wide by indenture between Commonwealth and Boston Water Power Company, dated June 9, 1854; laid out by another indenture between same, parallel with Beacon street, 200 feet wide, from Arlington street to Punch Bowl road (now Brookline avenue) with park, etc., Dec. 27, 1856; called Avenue V. on plan of Back Bay land, 1860; conditionally accepted from Arlington street to Berkeley street, July 28, 1862, and deed satisfying condition accepted, Feb. 15, 1864; laid out from Berkeley street to Clarendon street,

Dec. 15, 1868; from Clarendon street to Dartmouth street, May 31, 1871; from Dartmouth street to Exeter street, May 19, 1873; from Exeter street to West Chester park (now Massachusetts avenue), Nov. 4, 1875; extended to Beacon street July 8, 1879; extended over Brighton avenue to Massachusetts avenue, Jan. 24, 1887; extended over Massachusetts avenue to Chestnut Hill avenue, March 1, 1887; extended from Chestnut Hill avenue through grounds at Chestnut Hill reservoir and over a portion of South street to Newton line, Jan. 5, 1895; part from Arlington street to Charlesgate west, included in Park system, June 29, 1894. L 374, L 649, L 862, L 1105, L 1106, L 1296, L 1362, L 1742, L 1743, L 1744, L 1745, L 1799, L 1964, L 2050, L 2051, L 2052, L 2053, L 2054, L 2055, L 2476, L 2505, L 2583, L 2593, L 2594, L 2595, L 2650, L 2651, L 2652.

***Compton street, B.**, 1895; from Washington street to Tremont street; name of Chapman street changed to Compton street, March 1, 1895.

Compton street, Dor.; from Boston street parallel with Dorchesterway to Dorchester avenue; now Roseclair street.

Conant court, { Rox.; from King street, north-east; called Conant court
Conant place, { and Conant place.

Conant place, { Rox.; from Conant street, near Parker street,
Conant-street place, { south-west; called Brook's place, 1854-60;
Brooks-street place., 1860-68; no record, but name probably
changed at same time Brooks street was named Conant street,
1868; called Conant place and Conant-street place.

***Conant street, Rox.**, 1868; from Parker street, near Longwood avenue, to Huntington avenue, shown as Brook street, from Bumstead lane (now St. Alphonsus street), south-east, 1845; named Conant street, April 21, 1868; laid out from Parker street to land of Thos. Wigglesworth, Oct. 4, 1870; extended to Huntington avenue, March 22, 1883. L 575, L 576, L 1696.

Concord avenue, B., from Clinton street, north-east, to Arlington avenue, over land of Mercantile Wharf Corporation.

Concord avenue, Chsn.; from Jefferson avenue to and crossing Lexington street; shown as an unnamed street in 1839; part between Lexington street and Monument street at one time called Monument lane.

Concord place, B., 1876; from Worcester street, near Tremont street, to Concord square.

***Concord square, B.**, 1866; from Tremont street to Columbus avenue; part of Concord street from Tremont street to a point 135 feet east of Columbus avenue accepted and named Concord square, July 10, 1866; remainder to Columbus avenue laid out, June 23, 1868. L 329.

***Concord street, B.**, 1826; from Washington street, west; laid out on the Neck, July 24, 1826; from Tremont street to Front street (now Harrison avenue) named Concord street, Sept. 15, 1834, to Albany street, 1854; accepted, Dec. 7, 1857; portion west of Tremont street, accepted Dec. 21, 1859; street accepted, Oct. 30, 1860; part from Tremont street to a point 135 feet east of Columbus avenue, named Concord square, July 10, 1866; name of part from Washington street to Albany street changed to East Concord street and from Washington street to Tremont street to West Concord street, April 21, 1868. L 212.

Concord street, Chsn., 1837; from Bunker Hill street, north-west, to Mystic river, 1837 and 1843; discontinued.

***Concord street, Chsn.**, 1839; from Monument square to Bunker Hill street; part from Tremont street to High street, shown as an un-

named street, 1834; from Monument square to Bunker Hill street, 1839; laid out 50 feet wide Dec. 21, 1844; accepted Dec. 23, 1844; name of part from Tremont street to High street changed to Monument square, Feb. 2, 1860.

***Condor street**, E. B., 1852; from Border street to Glendon street; accepted from Border street to Knox (now Glendon) street, Oct. 4, 1852. L 1616.

Conduit, B., 1788; in Dock square.

Conduit alley, B., 1825; from Market square to Ann (now North) street; built over.

Conduit street, B.; part of Ann (now North) street from Conduit in Dock square to Cross street, originally so-called.

Coney's lane, B.; Cross street was so called prior to 1708.

Confirmation place, } Chsn.; from Rutherford avenue, north-east;
Confirmed place, } called Confirmation place, 1885.

Congress court, B., 1826; from Congress street, east, near State street; called Post Office avenue, 1849.

Congress place, B., 1861; Congress street, east, nearly opposite Matthews street; called Congress-street place, 1877.

†**Congress square**, B., 1821; from State street, south, then east to Congress street, and from Devonshire, east, to Congress street; called Half-square court from King (now State) street, south, 1708; same from Maccarty's corner into Pudding lane (now Devonshire street), 1732; same was called Court square and Half-court square in 1798; same "round the buildings back of the post office," 1800; no mention of it in list of 1817; called Salter's court, 1808; Exchange square (rear of Congress street and State street), 1818; Congress square, 1821, and the part from State street, west, called Story place, 1845; but in 1810 the records appear of it as Half-square court and at that date the area leading east to Congress street was laid out making a direct way from Devonshire street to Congress street; name Congress square again given to part from State street, south, then east to Congress street, some time prior to 1874; name Exchange place given in 1854 to part from Devonshire street, east, to Congress square; Exchange place, "from Devonshire street to Congress st.," made part of Congress square, Oct. 17, 1873. L 16, L 497, L 2587.

†**Congress street**, B., and So. B., 1800; from State street to Reserved Channel, near foot of L street, So. B.; from King (now State) street to Water street called Leverett's lane, 1708; called Quaker lane in 1800; from Water street to Milk street called Dalton's row, 1769-88, and Dalton street, 1788-1800; from Milk street to Cow lane (now High street) including Green or Green's lane, and to Purchase street, including Gray's lane, called Atkinson street, 1732; Dalton street and Quaker lane, from State street to Milk street, named Congress street, 1800; name of Atkinson street, from Milk street to Broad street (now Atlantic avenue) changed to Congress street, Aug. 4, 1854; part from Water street to Milk street named Post Office square, April 18, 1873; Eastern avenue, laid out from Broad street (now Atlantic avenue) to Harbor Commissioners' line, Jan. 3, 1874; extended across Fort Point Channel to C street extended May 14, 1879; name of Eastern avenue from Atlantic avenue to C street extended changed to Congress street, March 1, 1881. Vol. 31, pp. 5, 10, 12, 13, 22, 26, 32, 55, 88, 97. Vol. 19, pp. 70, 129. L 1, L 28, L 63, L 87, L 279, L 283, L 439, L 834, L 844, L 845, L 846, L 853, L 856, L 918, L 1199, L 2205, L 2587.

Congress street, B.; King street frequently so called before the present name of State street was settled on in 1784.

- ***Congress-street bridge**, B.; from Altantic avenue, opposite Congress street, across Fort Point Channel.
- Congress-street place**, B., 1877; from Congress street, east, nearly opposite Matthews street; called Congress place, 1861; Congress-street place, 1877.
- Congreve street**, W. Rox.; from South street, near Dudley avenue.
- Connecticut lane**, Rox., 1662; laid out Jan. 19, 1662; laid out two rods wide to Brookline line, Aug. 5, 1762; now Perkins street.
- Connell street**, Dor.; from Bellevue street, near junction of Trull street, south-east.
- Connolly street**, Rox.; from Fellows street, north-west, between East Lenox street and Orange court.
- Conologue court**, E. B.; from Havre street, between Decatur street and Maverick street, north-west; called a'so Byrnes place; not now shown.
- ***Conway street**, W. Rox., 1885; from South street to Fairview street; private way called Skinner street laid out and named Conway street, July 21, 1885. L 1875.
- Cook place**, B., 1868; from Commercial street, north of Battery street; shown but not named, 1874 and 1884.
- Cook street**, Dor.; from Washington street, near Harvard street, south-west; laid out under name of Gaylord street to Chamberlain street, July 10, 1896.
- ***Cook street**, Chsn., 1838; from Bunker Hill street to Medford street; report accepted recommending acceptance of street under certain conditions, June 20, 1838; laid out and accepted, Oct. 4, 1854.
- Cook-street court**, Chsn.; from Cook street, near Bunker Hill street, north-west, crossing Sheafe street; shown as an unnamed court, 1845.
- Cook-street place**, Chsn.; from Cook street, near Medford street, to Sheafe street.
- Cook's corner**, B., 1800; corner Orange (now Washington) street and Beach street; then so-called.
- ***Cook's court**, B., 1800; the way back of Hunt's grammar school-house in School street, 1800; confirmed as a public street, Sept. 15, 1834; called Chapman place, 1841; reported by committee to be an old established public way, Dec. 24, 1846.
- Cook's court**, Dor.; from Norfolk street, south-east, to Fremont place.
- Cook's lane**, W. Rox., 1870; from Brush Hill turnpike (now Blue Hill avenue) to Walnut street; now Williams street.
- Cook's lane**, Chsn.; from Bow street to Front street; laid out and widened, July 2, 1866; name changed to Jenner street, Sept. 17, 1866.
- Coolidge avenue**, Dor.; see Coolidge avenue.
- Coolidge avenue**, B., 1841; from Cambridge street, south, then west, to Temple street, with opening into Bowdoin street.
- Coolidge avenue**, Dor., 1872; from Standish street to Warner avenue, and from Bernard street, south-west, to unnamed street; not shown to exist between Warner avenue and Bernard street; first part called Cooledge avenue in 1884; second part called Coolidge avenue; laid out as Kingsdale street, Nov. 23, 1895.
- Coolidge place**, So. B.; from West Second street, near C street, to Bolton street.
- ***Coolidge street**, Bri., 1892; from Mansfield street to North Harvard street; formerly called Coolidge road; laid out as Coolidge street; Aug. 24, 1892. L 2429.

- *Cooper street**, B., 1807; from Salem street to Charlestown street, opposite Beverly street; laid out across the Mill-pond, Aug. 3, 1807; extended to Salem street, 1838. Vol. 31, p. 96. L 1221.
- Cooper street**, W. Rox., 1856; from Green street to Stony brook; not now shown.
- Cooper-street court**, B., 1837; from Cooper street, south-east, between Endicott street and North Margin street; also called Cooper court; not now shown.
- Cooper's alley**, B., 1708; the "alley leading from ye end of Water street through Mr. Oliver's land into Milk street;" the third of the ways from Milk street to Water street, 1732; called Kilby street, 1769; Miller's lane previously to 1784; named Adams street, July 4, 1788; Kilby street again, 1825.
- Cooper's alley**, B., 1819; the easterly end of Brattle street, so called; included in Brattle street in 1820.
- Cooper's court**, B., 1837; from Cooper street, south-east, between Endicott street and North Margin street; also called Cooper-street court; not now shown.
- Copeland court**, Rox., 1873; from Copeland street, near Waverly street, south-east; now called Burton avenue.
- Copeland place**, Rox.; from Copeland street, near Moreland street, south-east.
- Copeland street**, Rox., 1835; from Cedar street to Highland street; Hawthorne street so called in 1835 and 1843.
- *Copeland street**, Rox., 1851; from Warren street to Moreland street; accepted, conditionally, May 26, 1851; laid out and extended from Warren street to Moreland street, June 15, 1869; this street appears to have been formerly Mt. Warren avenue by a plan dated 1869; L 449.
- Copeland's alley**, B., 1824; from Court street, east, near Hanover street; closed.
- Copeland's lane**, B., 1820; from Court street to Sudbury street; called Alden's lane, 1732; Copeland's lane, 1820; Alden's lane again, 1829; named Alden street, 1846.
- *Copley square**, B., 1883; junction of Dartmouth street, Boylston street, Huntington avenue, Trinity place and St. James avenue; lot bounded by Huntington avenue, Dartmouth and Boylston streets purchased for a public square named Copley square, Feb. 21, 1883 Trinity triangle, a triangular area bounded by Huntington avenue; Trinity place and St. James avenue, included in Copley square, April 21, 1885.
- *Copley street**, } Rox. and W. Rox.; from School street near Arcadia
Copley terrace, } street, north-east; Copley terrace laid out and named
 Copley street, Aug. 27, 1886; shown in 1884. L 1941.
- Copper street**, B., 1803; from Leverett street to Poplar street; named Brighton street, 1816.
- Copp's Hill**, B.; between Snowhill street, Charter street and Lynn (now Commercial) street.
- Copp's Hill avenue**, B., 1849; from Prince street to Snowhill avenue; released to Boston Gaslight Company, in exchange for land to widen Prince street, Dec. 8, 1866; now covered by Boston Gas Works. L 151.
- Coral court**, } B.; from Anderson street, west; called Coral court, 1844;
Coral place, } Coral place, 1846; closed by erection of Phillips school-house in 1861.
- Coral place**, Chsn.; from Pearl street, between Pearl-street place and Blaban place, north-west.

- ***Corbet street**, Dor., 1871; from Forest Hills avenue (now Morton street) to Norfolk street; laid out, Aug. 15, 1889. L 2152.
- Cordage court**, So. B.; from East Seventh street to East Sixth street, between N street and O street.
- Cordis court**, Chsn.; from Cordis street to Pleasant street; also called Cordis-street place; laid out as Boyle street, Sept. 28, 1891. L 2338.
- ***Cordis street**, Chsn., 1799; from Warren street to High street; accepted, April 7, 1817.
- ***Cordis-street avenue**, Chsn.; from Cordis street to Pleasant street; shown as Cross street, 1799.
- Cordis-street place**, Chsn.; from Cordis street to Pleasant street; shown as Cross street, 1808, when land was given to lay out the street; called also Cordis court; laid out as Boyle street, Sept. 28, 1891. L 2338.
- Corey avenue**, B., 1846; from Ash street, east, then north-east to Ben-net street.
- Corey avenue**, W. Rox.; from Weld street to Corey street; laid out with name of Ruskin street, April 1, 1890. L 2216.
- Corey court**, Chsn.; from Corey street, west, near Medford street.
- †**Corey road**, Bri.; from Washington street to Brookline line; formerly called Dean avenue; by change of the Brookline boundary line, a portion of the street became public.
- ***Corey street**, W. Rox., 1853; from Weld street at junction with Arnold street to Park street; part from Austin (now Centre) street, north-west, shown as Garden street, 1852; laid out from Weld street to Centre street and accepted, March 20, 1865; extended from Centre street to Park street, Dec. 12, 1874; laid out from Centre street and extended to Weld street, July 30, 1875. L 999, L 1069, L 1070, L 1071.
- ***Corey street**, Chsn., 1853; from Medford street to Moulton street, near Bunker Hill street; shown as an unnamed street, 1850; Chip street laid out, accepted and name changed to Corey street, May 23, 1853.
- ***Corinth street**, W. Rox., 1882; from Washington street at Poplar street to Brandon street; Basto place laid out, extended to Brandon street and named Corinth street, Nov. 25, 1882. L 1666, L 2580.
- ***Corn court**, B., 1708; from Faneuil Hall square, southerly and east-erly in irregular form to Merchant's row; from the Corn Market, south, 1708.
- Cornauba street**, W. Rox.; from Brown avenue, between Poplar street and Ashland street, north-west, then north-east.
- †**Cornell street**, W. Rox., 1890; from Poplar street to north-west of Aldrich street; portion between Washington street and Orange street called Central avenue in 1872; laid out as Cornell street, Aug. 7, 1890; Cornell street extended from Washington street over private land and through Charles street to Poplar street, June 24, 1892. L 2256, L 2413, L 2414.
- Corn Hill**, B.; Fort Hill was so called previous to 1632; afterwards Fort Field.
- Cornhill**, B., 1708; from School street to Dock square, 1708; line of street laid down and established Nov. and Dec., 1711, and Feb., 1712; name changed to Washington street, 1824.
- ***Cornhill**, B., 1829; from Washington street to Court street; laid out from Tremont street at Scollay's building across Court street to Cornhill (now Washington street), near Brattle alley including Belknap's yard, and named Cheapside, March 5, 1816; named Mar-ket street, June 11, 1817; part between arch leading to Brattle

street and Dock square named Market row, Oct. 1, 1817; from Court street to Washington street named Cornhill, May 6, 1829; sometimes called New Cornhill; part between Tremont street and Court street named Pemberton square, Feb. 19, 1838, and Scollay square, June 25, 1838. L 817.

***Cornhill court**, B., 1814; from Washington street, west, then south, to Court avenue; called Church square, in rear of the First church, 1708; same around old brick church, 1800; Cornhill square, 1809; Cornhill court from Cornhill (now Washington street) nearly opposite State street, 1814; the portion between Young's Hotel and Washington street on the southerly side of Rogers' building called Suffolk Inns, 1812; Suffolk avenue, 1820; Court avenue, 1839.

Cornhill square, B., 1809; from Cornhill (now Washington street), nearly opposite State street; called Church square, 1708; Cornhill square, 1809; Cornhill court, 1814.

***Corning street**, B., 1895; from Tremont street to Washington street; formerly Indiana place; name changed to Corning street, March 1, 1895.

Corn Market, B., 1708; the present south side of Faneuil Hall (then along the side of the dock), so called in 1708; from the Sun Tavern in Dock square to Merchant's row, 1732; called Corn Market street, 1762; Market square, 1784; included in Faneuil Hall square, 1855.

Corn Market street, B., 1762; Corn market so called at one time; enlarged on south side of Faneuil Hall market, April 14, 1762; later a part of Market square, and now a part of Faneuil Hall square.

***Cornwall street**, W. Rox., 1886; from Washington street to Boylston avenue; Chemical avenue laid out from Washington street to Brookside avenue and name changed to Cornwall street, June 24, 1886; extended to Boylston avenue, Aug. 12, 1891. L 1913, L 2320.

Corona street, Dor.; from Bowdoin street near Westville street, to Geneva avenue; authority to open given by Street Commissioners, Nov. 8, 1894.

***Cortes street**, B., 1863; from Ferdinand street to Berkeley street; laid out, July 26, 1875. L 1061.

Cosmos street, E. B.; from Wauwatosa avenue to Benevento street.

***Corwin street**, Dor., 1890; from Westville street to Arcadia street; formerly called Westville street; laid out, Sept. 10, 1890. L 2260.

Cottage avenue, Dor., 1836; from Geneva street (now avenue), northerly and north-westerly, to Green (now Olney) street; name changed to Everton street, Dec. 30, 1876.

Cottage avenue, W. Rox., 1851; from Centre street, south-east, near La Grange street; called Cottage place, 1843-44-49, and in 1884; named Cottage street by Town in 1825.

Cottage court, Rox.; from Julian street to Gayland avenue.

Cottage place, B., 1833; from Washington street, near Perry street, to Harrison avenue.

Cottage place, Rox., 1844; from Tremont street, north-west, to B. & P. (now N. Y., N. H. & H.) R.R.; Columbus avenue extended across it, Jan. 4, 1895; formerly School court.

Cottage place, Rox.; from Tremont street, south-east; name changed to Howe court, April 21, 1868.

Cottage place, W. Rox., 1844; from Centre street, south-east; shown in 1843-49; also called Cottage avenue and Cottage street.

Cottage row, Chsn.; from Medford street, opposite Lexington street.

Cottage side, Dor.; from East Cottage street to Willis street; formerly Turpin court.

- †**Cottage street**, E. B., 1833; from Marginal street to Parkway leading to Wood Island Park; laid out from Marginal street to Maverick street, Oct. 25, 1852; a foot-bridge 25 feet wide extends across the water from Maverick street to Prescott street; authority to open from Prescott street to Parkway leading to Wood Island Park given by Street Commissioners, April 21, 1893. L 1354.
- Cottage street**, So. B.; from West Ninth street, south-west, to N. Y., N. H. & H. R.R.
- Cottage street**, Rox.; from Warren street to Shawmut avenue (now Washington street), near Dudley street; used before Dedham turnpike was made for carting wood from Muddy Pond woods; Town Surveyor recommended closing this street, April 7, 1845; name changed to Cliff street, April 21, 1868; called Cliff street, from Warren street to Dedham turnpike, 1843-49; on plan dated 1863 called "Cottage street, formerly Cliff street."
- Cottage street**, Dor., 1799; from Dudley street crossing Five Corners (now Edward Everett square) to Pleasant street; named from Boston street to Old road (now Dudley street), March 11, 1840; name of Myrtle street from Boston street to Pleasant street changed to Cottage street, March 1, 1847; name of Cottage street, between Dudley street and Pleasant street, and Pond street between Pleasant street and Dorchester avenue, changed to East Cottage street, March 1, 1893. L 811, L 812, L 813, L 814, L 815, L 858, L 859, L 860, L 861, L 2547.
- Cottage street**, W. Rox., 1825; from Centre street, near La Grange street, south-east; named "from Centre street by Howe's place," May 9, 1825; called Cottage place, 1844, also on Whitney's map of Roxbury, 1843-49, and again in 1884; called Cottage avenue, 1851, and in 1874.
- Cottage street**, W. Rox., 1849; from Pond street to Perkins street; called so in 1843-49-51; now called Prince street.
- Cottage street**, W. Rox., 1871; from Williams (now Brandon) street to Prospect (now Penfield) street, near Birch street; laid out with name of Amherst street, Sept. 14, 1881. L 1556.
- ***Cottage street**, Chsn., 1855; from Bunker Hill street to Medford street; laid out, April 8, 1878. L 1301.
- Cottage-street place**, E. B.; from Cottage street between Webster street and Sumner street, south-east.
- Cottage terrace**, Dor.; from East Cottage street, between Batchelder street and N. E. R.R., north-east, to Marshfield street; authority to open given by Street Commissioners, April 11, 1895.
- Cotting court**, B., 1848; from Cotting street; included in Wall street, when extended to Causeway street in 1852.
- Cotting place**, B., 1835; from Chambers street, near Cambridge street, north-west.
- ***Cotting street**, B., 1843; from Lowell street to Leverett street; called Leverett court, 1822; Cotting street, 1843; accepted from Lowell street to Wall street, Oct. 10, 1853; accepted from Wall street to Leverett street, Aug. 27, 1855. L 51.
- Cotton alley**, (B.; from Atlantic avenue (formerly Broad street) to
- Cotton place**, { Purchase street; called Cotton alley, 1826; Cotton place, 1828; and since by both names.
- Cotton Hill**, B.; anciently so called and as late as 1733; named after residence of Rev. John Cotton; subsequently called Pemberton hill after James Pemberton.
- †**Court avenue**, B., 1837; from Washington street to Court square called Suffolk Inns, 1812; Suffolk avenue, 1820; Court avenue, 1837; part from Washington street to Cornhill court at one time a part of that court.

- Court square, B.**, 1798; from State street to Congress street; called Half-square court, 1708; Court square, 1798; now a part of Congress square.
- Court square, B.**, 1815; from School street to the new court-house; laid out on land appertaining to the school-house in School street, May 20, 1812; named Court square, Sept. 27, 1815; now included in site of City Hall.
- *Court square, B.**, 1841; from Court street, south-west, around the old court-house to Court street again; the present east entrance probably called Prison lane, 1722; laid out on east and west sides of new court-house, Dec. 7, 1835; street on west side discontinued, Aug. 15, 1836; street laid out around new court-house, Nov. 5, 1838; square in which court-house is situated named Court square, Aug. 30, 1841. L 222, L 1350.
- *Court street, B.**, 1784; from Washington street to Bowdoin square, from Washington street to the head of Hanover street, called Queen street, and from Sudbury street to Bowdoin square, called Cambridge street, 1708; name of Queen street changed to Court street, July 4, 1788; extended to Bowdoin square through a part of Cambridge street, 1807; area between Court street and Tremont street named Pemberton square, Feb. 19, 1838, and Scollay square, June 25, 1838; part from Sudbury street to Bowdoin square called Green street, 1850, and later in the same year again called Court street, part once called Centry or Sentry street, Century or Century Hill street. L 3, L 11, L 37, L 74, L 580, L 1702.
- Court street, Dor.**; from Minot street, south; so called in 1874; shown as an unnamed place in 1868; called Minot place, 1884.
- Courtland street, Rox.**, 1871; from Parker street, crossing Huntington avenue to Rogers avenue.
- Cove, The, B.**, 1708; where Faneuil Hall (sometimes called Quincy) market now stands; then so-called.
- Cove place, B.**, 1845; from Cove street, east, then south to Furnace street; from Cove street, east, 1845.
- †Cove street, B.**, 1842; from East street, near Federal street, to Furnace street; from East street to Kneeland street, 1842; to Lehigh street, 1846; accepted and laid out from East street to Kneeland street, Aug. 23, 1852. Vol. 31, p. 101.
- Coventry street, B.**, 1733-91; about the same as the easterly half of Walnut street.
- Coventry street, Rox.**, 1849; from Tremont street to Columbus avenue.
- *Cow lane, B.**, 1708; from Fort Hill to Summer street; extended by abutters to Sconce street and accepted by Town, 1741; named High street, May 24, 1797, but called Cow lane in list of 1800.
- Cow lane, Bri.**, 1837; see plan, book 365, p. 554, Middlesex South District Deeds.
- Cowell's corner, B.**, 1708; corner Newbury (now Washington) street and West street then so-called.
- Cowing street, W. Rox.**; from La Grange street, opposite Martin street, south-west, then south-east, across Partridge street.
- †Cowper street, E. B.**, 1838; from Rice street to Moore street (with proposed extension to Swift street); laid out from Moore street to Short street, July 25, 1881. L 1544.
- Coy's lane, Rox.**; an old road or cartway from Norfolk and Bristol turnpike (now Washington street) to St. James street; shown in 1844.
- Crab alley, B.**; from Batterymarch street to Broad street.

- Crab alley**, B., 1708; from Batterymarch street to the foot of Water street, opposite Mackerel lane; included in Batterymarch street, 1803; sometimes called Crab lane.
- Crab alley**, B., 1800; from Liberty square to Broad street; called Brimmer avenue, 1822-26.
- Crab lane**, B., 1708; from Macril lane (now Kilby street) to the sea, 1708; also called Crab alley; included in Batterymarch street, 1803.
- Craddock street**, Dor.; from Neponset avenue, near junction of Walnut street, south-westerly.
- Craft street**, Rox., 1872; from Heath street near Tremont street (now Huntington avenue), to Jamaicaaway.
- Crafts street**, Chsn.; from Cambridge street, south-east, to Roland street, near and west of Boston & Maine R.R.
- Craigie's bridge**, B., 1786; from the foot of Leverett street to Lechmere's point, Cambridge; called also Canal bridge and Central bridge.
- *Cranston street**, W. Rox., 1890; from Sheridan street, south-west, then north-west, over Terrace avenue to another part of Terrace avenue; laid out Nov. 11, 1890. L 2272.
- *Crawford street**, Rox., 1872; from Warren street to Walnut avenue; laid out from Warren street to point included in present Elm Hill avenue, Oct. 16, 1877; extended through Llewellyn avenue to Walnut avenue, Dec. 4, 1879. L 1280, L 1408, L 1409.
- Crawshaw place**, Rox.; from Hampshire street, north-west, between Vernon street and Clay (now Linden park) street.
- Creek lane**, B., 1708; from Marshall's lane (now Marshall street) to Scottow's (now Scott) alley; south part called Creek square, 1803; called Hatter's square, 1823; the part leading from Marshall street or lane called Hancock row, 1826; whole called Creek square, 1855.
- *Creek square**, B., 1803; from Marshall street to Blackstone street; formerly Creek lane; the name was applied to part of same, 1803; called Hatter's square, 1823; part called Hancock row, 1826; previous name again applied, 1855.
- Creek street**, B., 1831; from Fulton street and Clinton street to Charlestown street and Cross street; Ann (now North) street widened near Creek street, 1831; laid out, Oct. 23, 1833; sometimes called Canal street; discontinued; seems to be in same place as present Blackstone street.
- *Creek street**, Dor., 1840; from Pleasant street to Dorchester avenue, near Commercial (now Freeport) street; named "from Sam'l Downers to Dorchester turnpike and Wales creek," March 11, 1840; called Swan street in 1854.
- *Creighton street**, Rox., 1856; from Centre street, north-westerly, to Day (formerly Cross) street; laid out from Centre street to Day street, Sept. 10, 1889. L 2164.
- Crescent, The**, B., 1798; part of the present Franklin street between Bishop's alley (now Hawley street) and Federal street; laid out with an oval enclosure 300 feet long in the centre, on one side of which was Franklin place, and on the other the Tontine crescent, a block of sixteen dwelling-houses; made part of Franklin street, 1858.
- Crescent avenue**, Chsn.; from Cambridge street, near Somerville line, southerly, to unnamed street; Crescent street.
- *Crescent avenue**, Dor., 1810; from Dorchester avenue, opposite Pond (now East Cottage) street, to O. C. (now N. Y., N. H. & H.) R.R., at Crescent-avenue station; located May 14, 1810; laid out by Selectmen, Nov. 10, 1868; accepted by Town, April 5, 1869.

- Crescent avenue**, Bri.; from Washington street, southerly and south-westerly to Newton line; shown but not named in 1846.
- Crescent court**, B., 1844; from Friend street, south-west, near Causeway street; called Crescent place, 1884.
- Crescent place**, B.; Crescent court, so called in 1884.
- Crescent place**, B. 1822; from Green street, north, near Pitts street.
- Crescent street**, Chsn.; from Roland street, near Somerville line, north, across Cambridge street, then north-east, beyond Hadley street to unnamed street opposite Pearl street, in Somerville; also called Crescent avenue.
- Crest avenue**, Dor.; from Riverview avenue, at Bearse street, south-east, to Riverview avenue again.
- Crest street**, W. Rox.; from Kirk (formerly Oak and later Short) street, south-west, to and beyond Houston street.
- Crestwood park**, Rox.; from Townsend street, between Humboldt avenue and Harold street, north-east.
- Crestwood terrace**, Rox.; from Townsend street.
- Crimmen place**, Chsn.; from Corey street, east, between Moulton street and Medford street.
- Crocker place**, B., 1857; from Albany street, east, rear of East Orange (now Way) street.
- Crofts street**, B., 1732; at north end of Ann (now North) street; from the sea north-west to the Mill-pond; probably same as Cross street.
- Cromwell street**, Rox.; from Massachusetts avenue to Dalton street; laid out as St. Germain street, Sept. 14, 1894. L 2618.
- Crooked alley**, B., 1708; from Cow lane (now High street) to Belcher's lane (now Purchase) street; in 1834 it existed as a narrow passageway opposite head of Federal street, but had no name; called Brick alley, 1788; Board alley, 1847; Broad alley by plan, 1864; shown as Board alley as late as 1870, but now built over.
- Crooked lane**, B., 1708; from Dock square to King (now State) street, name changed to Wilson's lane, May 12, 1712; included in extension of Devonshire street, 1872.
- Crosby place**, B., 1859; from West Canton street, between Newland street and Ivanhoe street, south-west.
- Crosby place**, B., 1876; from Reed street.
- Crosby place**, Rox.; from Adams street, between Hampden street and Yeoman street, north-west.
- Crosby place**, W. Rox.; from Call street, near Carolina avenue, south-west; also called Crosby square.
- Crosby street**, Bri., 1870; from Brooks street, east, near B. & A. R.R. at Faneuil; shown as part of Parkman street in 1874; location changed and called Crosby street in 1884.
- Cross-dam**, Rox.; Parker street, anciently and for a long time so called. L 862.
- *Cross street**, B., 1708; from Haymarket square to Commercial street; from the Mill-pond, south-east, to the sea, 1708; called at the same time "the highway to Breeden's wharf;" probably same as Crofts street, 1732; Coney lane and Drum lane continued into the Mill-pond, Sept. 30, 1807; in 1817 it crossed Middle (now Hanover) street, Back (now Salem) street and Fish (now North) street, extended to Commercial street, 1830. Vol. 31, pp. 11, 37. L 14, L 2209.
- Cross street**, B., 1802; the part of Lyman street running east from Leverett street was then so called.
- Cross street**, E. B., 1833; from Border street to New street. L 241.

- Cross street**, Rox., 1825; from Centre street to Heath street; probably laid out Jan. 19, 1862; named May 9, 1825; name changed to Day street, April 21, 1868.
- Cross street**, Dor., 1840; from Columbia street, near Quincy street to Hancock street; located, May 18, 1807; named, March 11, 1840; name changed to Glendale street, May 31, 1870.
- Cross street**, W. Rox.; from Augustus avenue to Hillside avenue, near Poplar street.
- ***Cross street**, Chsn., 1823; from Cordis street to Pleasant street; accepted, June 6, 1823; probably now Cordis-street place (or Cordis court.)
- ***Cross street**, Chsn., 1839; from High street to Bartlett street, opposite Trenton street; laid out, Oct. 29, 1839; accepted, Nov. 11, 1839.
- Cross-street avenue**, Chsn.; from Cross street to Cedar street.
- Cross-street court**, Chsn.; from Cross street to Cedar street.
- Crossin place**, Rox.; from King street, south-west, near Elmwood street.
- Crossland place**, Bri.; from Winship street, south-east.
- Crossman street**, Dor.; from junction of Norfolk street and Delhi street, north-east, then south-east across West Selden street.
- Cruft place**, B., 1841-52; from Pearl street, east, near Milk street; closed.
- Crystal place**, Chsn.; from Mead street, north-west, near Main street.
- Culbert place**, Rox.; from Columbus avenue (formerly Pyncheon street), near Cedar street, south-east, to N. Y., N. H. & H. R.R.
- Culvert place**, Rox.; from Culvert street, south-west, toward Vernon street; laid out as a public street and named Downing street, Aug. 29, 1884. L 1812.
- ***Culvert street**, Rox.; from Cabot street to Ruggles street; part from Tremont street to Ruggles street laid out, July 29, 1867; Columbus avenue was extended across Culvert street, Jan. 4, 1895. L 1015, L 1115.
- ***Cumberland street**, Rox., 1880; from Huntington avenue, to N. Y., N. H. & H. R.R.; laid out, Jan. 19, 1880. L 1425, L 2191.
- Cummings road**, Bri.; from Commonwealth avenue, south, then south-east to Dean (now Corey) road near Brookline; authority to open road No. 4 (Cummings road) given by Street Commissioners, May 13, 1892.
- Cummington street**, Rox., 1893; from Avon street to Blandford street.
- ***Cumston place**, B., 1861; from Shawmut avenue to Cumston street; laid out as a public street, May 21, 1867. L 352.
- ***Cumston street**, B., 1847; from West Concord street to Rutland street; new street from Concord street to Rutland street, named Cumston street, 1847; accepted May 21, 1867. L 352.
- ***Cunard street**, Rox., 1849; from Columbus avenue to Cabot street; from Tremont street to Berlin street laid out, Oct. 15, 1877; from Tremont street to Cabot street laid out, Oct. 4, 1894. L 1277, L 2656.
- ***Cunningham street**, Dor.; from Howard avenue to Hartford street; laid out, June 28, 1892. L 2418.
- Curlew street**, W. Rox.; from Cottage avenue, south-west.
- Curtis court**, Rox.; from Vernon street, near Downing street, north-east.
- ***Curtis street**, E. B., 1859; from Chelsea street to Saratoga street; laid out from Chelsea street to Pope street, Dec. 27, 1859; extended to Saratoga street, Dec. 31, 1875. L 1125.

- ***Curtis street**, Rox. and W. Rox., 1852; from Boylston street, opposite Chestnut street, north; laid out from Boylston street to Wyman street, Jan. 31, 1876; street from Wyman street to Green street, part of which has been called Curtis street and part Chestnut street, named Chestnut avenue, Dec. 26, 1877; Curtis street together with Chestnut street included in one street and named Chestnut avenue, Dec. 26, 1877. L 1128.
- Curtis street**, W. Rox., 1878; from Boylston street to Wyman street, near Chestnut avenue; shown as an unnamed street, 1856; called Chapel street, 1867; name of Chapel street changed to Curtis street, June 22, 1878; laid out as Danforth street, Sept. 12, 1881. L 1551.
- ***Curtis street**, W. Rox., 1825; from Norfolk and Bristol turnpike (now Washington street) to Walnut street; named Dedham turnpike south of Independent spring to Back street (now Walnut avenue), May 9, 1825; formerly known as Jube's lane, and probably a public highway some time previous to 1825; Curtis street and that part of Walnut street from its junction with Curtis street to South street named Forest Hill street, June 26, 1849; called Forest Hills street, Nov. 5, 1860.
- ***Curve street**, B., 1840; from Albany street to Broadway; from Harrison avenue to Lincoln street, 1840; to Albany street, 1846; accepted, conditionally, Dec. 17, 1849; accepted Jan. 5, 1856; Broadway extended to Washington street through part of Curve street, July 3, 1880. L 435, L 1530.
- ***Cushing avenue**, Dor., 1881; from Sawyer avenue, westerly, northerly and Westerly to Hancock street; Thacher avenue laid out and extended to Hancock street, including part of Upham avenue and name changed to Cushing avenue, Oct. 28, 1881. L 1562, L 1563, L 1564, L 2206.
- Cushing street**, W. Rox.; from Baker street to Barnes street; authority to open given by Street Commissioners, May 3, 1895.
- Cushman avenue**, B., 1855; from Leverett street to Wall street between Minot street and Cotting street; called Leverett lane, 1831; Cushman avenue, 1855.
- Cusson place**, B., 1871; from South Margin street, near Norman street, south-west.
- ***Custer street**, W. Rox., 1881; from South street, west, crossing Ballard street and Goldsmith street; White avenue from South street to Woodman street laid out and name changed to Custer street, May 19, 1881. L 1522.
- ***Custom-House street**, B., 1804; from Broad street to India street; confirmed as a public street, Sept. 15, 1834. L 15.
- Cypher street**, So. B.; from B street to E street, north-east of and parallel with West First street.
- Cypress place**, B., 1840; from Cypress street, east, near Vine (now Parkman) street; called Cypress-street place in 1848; built over.
- Cypress place**, B.; Cypress street from Cambridge street to Parkman street; so called in 1883.
- Cypress road**, Bri.; from George street to Dustin street, between Spring street and Garden street; also called Cypress street.
- Cypress street**, B., 1840; from Cambridge street to Parkman street; called Cyprus place, 1883.
- Cypress street**, W. Rox., 1872; from Beech street to Bellevue avenue, opposite Cedar street. L 1949.
- ***Cypress street**, W. Rox.; from Baker street to Spring street; laid out, Sept. 28, 1886.
- Cypress-street place**, B., 1848; from Cyprus street, near Vine (now Parkman) street; called Cypress place, 1840; now built over.

- *D street, B.**, 1823; from Mill-dam (now Beacon street), north, to the water; established in 1828; from Western avenue (now Beacon street) to Chestnut street accepted, Aug. 7, 1855; same named Messinger street, Jan. 5, 1856; name changed to Brimmer street, 1869.
- *D street, So. B.**, 1804; from Dorchester avenue to low-water mark with proposed extension to Eastern avenue (now Congress street); projected "from the boundary line to the sea," Oct. 4, 1804; laid out and named Feb. 27, 1805; laid out from point 46 feet south of Baxter street to O. C. (now N. Y., N. H. & H.) R.R., Sept. 17, 1867; laid out, 50 feet wide, from O. C. R.R. to low-water mark ("502 to 509 feet from E street"), Nov. 17, 1868; extended to Dorchester avenue across location of O. C. R.R., passing under the tracks, March 29, 1882. L 183, L 369, L 1593.
- D street, Dor.**, 1892; from Pleasant street to F (now Bakersfield) street; authority to open given by Street Commissioners, May 4, 1892; now called Hinckley street.
- D street, W. Rox.**, 1868; from Spring Park avenue, south-west; laid out and extended to Green street under name of Rockview street, May 26, 1880. L 1459, L 1478.
- Dabney place, Rox.**, 1868; from Regent street, near Fountain street, south-east.
- *Dacia street, Rox.**; from Quincy street to Brookford street; laid out from Dalmatia street to Dewey street, Nov. 10, 1891; laid out from Dewey street to Brookford street, Dec. 31, 1891; Cherry street, from Quincy street to Dalmatia street, named Dacia street, March 1, 1892; for laying out of this part see Cherry street. L 964, L 2357, L 2358, L 2381.
- Dacia place,** } Rox.; from Dacia street, near corner Quincy street, south-
Dacia court, } east.
- Dacia terrace, Rox.**; from Dacia street, nearly opposite Dove street, south-east.
- D'Acosta's pasture, B.**; the space between Milk, Summer, Federal, and Hawley streets as spoken of in early records.
- Dafforne's corner, B.**, 1708; corner of Milk street and Cooper's alley (now Kilby street); then so-called.
- Daggett's alley or lane, B.**, 1789-1823; from North (now Hanover) street to Ship (now Commercial) street; Battery alley sometimes so called from 1789 to 1823; Battery street since 1806.
- Dakota street, Dor.**; from Geneva avenue to and across Bowdoin square.
- Dale avenue, Rox.**; from Dale street, north; Sherman street extended from Dale street to Rockland street, including Dale avenue, Oct. 10, 1882. L 1646.
- *Dale street, Rox.**, 1844; from Warren street to Washington street; petition that a new street from Warren street to Walnut street (now avenue) be accepted and named Dale street, reported favorably on certain conditions, April 1, 1844; and report accepted by Town; accepted from Shawmut avenue (now Washington street) to Walnut street, Oct. 14, 1867; accepted from Walnut street to Warren street, Oct. 28, 1867. L 638, L 907, L 908, L 1099.
- *Dale street, W. Rox.**, 1849; from Poplar street, south-east, to Hyde Park line; laid out, Nov. 12, 1877. L 1289.
- Dalkeith street, Dor.**; from Howard avenue, near and north of Quincy street; authority to open given by Street Commissioners, May 25, 1893.
- Dallas place, Rox.**; from Cabot street, near Ruggles street, south-east.

- *Dalmatia street**, Rox. and Dor., 1891; from Blue Hill avenue to Howard avenue; laid out, Dec. 8, 1891. L 2373.
- Dalrymple street**, W. Rox.; from Egleston street to Georgianna street.
- *Dalton street**, B. and Rox., 1878; from Falmouth street to B. & A. R.R.; laid out Oct. 7, 1878. L 1296, L 1320, L 2311, L 2373.
- Dalton street**, B., 1788; from Water street, opposite Leverett's lane, to Milk street; opened May 30, 1763, but no name then officially given; called Dalton's lane or row until 1788, when it was named Dalton street; name changed to Congress street, Jan. 22, 1800.
- Dalton's lane or row**, B., 1769; opened from Water street, at end of Leverett's lane, into Milk street, May 30, 1763, but not then named; so called prior to 1788; named Dalton street, 1788; Congress street, Jan. 22, 1800.
- Damascus street**, Dor.; from Blue Hill avenue to Howard avenue; laid out as Dewey street, May 13, 1889. L 2131.
- Damon place**, B., 1876; from Bennet street, south, to unnamed place leading from Ash street.
- Dana court**, Rox.; from 16 Dana street, south-east.
- Dana place**, Rox., 1849; from Dudley street, south-west, with branch to the west and another south-east; laid out and extended to Cliff street with name of Dana street, Nov. 26, 1884.
- Dana place**, Rox.; from 26 Dana street, south-east.
- Dana street**, So. B.; from West Ninth street, near Dorchester street, south-west to O. C. (now N. Y., N. H. & H.) R.R.; at one time called Watti court; laid out and named Mitchell street, Aug. 12, 1885. L 1877.
- *Dana street**, Rox., 1884; from Dudley street to Cliff street; Dana place laid out from Dudley street and extended to Cliff street with name of Dana street, Nov. 26, 1884. L 1836.
- Danby street**, So. B.; (proposed street) from the proposed extension of B street to the proposed extension of E street, on the so-called Commonwealth flats.
- Danforth place**, Rox.; from St. James street, south, near Alpine street.
- *Danforth street**, Rox., and W. Rox., 1881; from Boylston street to Wyman street; Curtis street laid out as Danforth street, Sept. 12, 1881. L 1551.
- Daniel street**, Rox., 1895; from Webber street to Mall street; authority to open given by Street Commissioners, March 27, 1895.
- *Danube street**, Dor.; from Brookford street to Dewey street; laid out, March 21, 1890. L 2211.
- Danville street**, W. Rox.; from Bellevue street to Wren street.
- Darling's lane**, W. Rox., 1871; from Blue Hill turnpike (now avenue), near Williams street, north-west, then south-west; now included in Franklin Park.
- Darling street**, Dor.; from Norfolk street, opposite Wentworth street, to Southern avenue.
- *Dartmouth place**, B., 1874; from Dartmouth street, north-east, to an unnamed place or way between Warren avenue and Appleton street; laid out from Dartmouth street, May 9, 1877. L 1233.
- *Dartmouth street**, B., 1866; from Tremont street to Beacon street; shown as Avenue A in 1855; from the Mill-dam across the Back Bay to Tremont street, opposite Dedham street in 1856; called Dedham street to 1866, with exception of short time about 1864 when the name of Burlington street was used; portion of Dedham street, between Tremont street and the line of the Boston Water

Power Company's land (Beacon street) named Dartmouth street, Jan. 23, 1866; laid out from Tremont street to Warren avenue, Dec. 3, 1867; laid out from Warren avenue to Columbus avenue, Oct. 20, 1868; laid out from Columbus avenue to St. James avenue, April 27, 1869; laid out from Beacon street to the former boundary line between land of the Commonwealth and of the Boston Water Power Company (near where Huntington avenue now is), April 15, 1871. L 309, L 354, L 374, L 410, L 516, L 526, L 862, L 1699.

Dassett's } alley, B., 1789; from Brattle square to Court street; some-
Dorsett's } times, but rarely, so called; called Brattle street, 1708;
 Brattle's alley or lane, 1722; Dassett's alley, 1789; Franklin avenue, 1818; properly Dassett's alley was the easterly end of Brattle street leading to Dock square; called Cooper's alley, 1819; included in Brattle street, 1820.

Davenport avenue, Dor.; from Columbia street, near Hancock street, north-west, to Virginia street.

Davenport place, Rox.; from 23 Davenport street, north-east.

Davenport street, Rox., 1859; from Tremont street to Columbus avenue.

Davenport square, Dor.; shown on atlas of 1894 as between Rocky Hill avenue and Arion street near junction Columbia street and Hancock street.

Davenport's lane, Dor., 1805; mentioned, May 13, 1805; straightened, April 1, 1816; relocated, Nov. 11, 1839; now Marsh street (from Adams street, near Minot street.)

Davenport's lane, Dor., 1840; from Bowdoin street, west; the street from Bowdoin street through Davenport's lane named Green street, according to recommendation of committee, March 11, 1840; now Olney street.

Davidson avenue, Dor.; from Richfield street, opposite Norton street.

Davies lane, B., 1708; from Beacon street at the corner of the present Mt. Vernon street, across the State-house grounds, past the beacon to Walnut street (then Allen's orchard), 1708; shown on Bonner's plan, 1722; on Burgess' 1729; is in list of 1732; but is not shown on Price's map, 1733.

Davis court, B., 1869; from North Grove street, near Cambridge street, west; changed to Church court in 1896.

Davis court, E. B.; from London street near Marion street, south-east.

Davis place, Rox.; from Webber street, near Fellows street, north-east.

Davis place, Dor.; from Cottage street, near Sumner street, south-west; called also Turpin court.

***Davis street**, B., 1853; from Washington street to Harrison avenue, opened from Washington street to Harrison avenue, Dec. 20, 1852; named Davis street, Feb. 28, 1853. Vol. 19, p. 123; vol. 31. pp. 56 and 70.

Davis street, B., 1810; from Washington street to Tremont street, 1810; called Camden street, 1826.

Davis street, Rox., 1825; from Northampton street to Eustis street; prior to 1800 this street led from town landing on Roxbury canal to Eustis street (then Mall street); later Eustis street changed south of Mall street and Davis street extended across New Eustis street to Dudley street; named, May 9, 1825; certain alterations in June, 1842; extended to Dudley street opposite Elm street (now Mt. Pleasant avenue), April 2, 1855; City Government of Boston request that of Roxbury to lay out Davis street to meet Albany street, at Roxbury creek, April 21, 1855; name changed to Albany street, April 21, 1868.

- Davis street**, Rox., 1845; from Parker Hill avenue, east; from High street (Parker Hill avenue) east, 1819; name changed to Hillside street, April 21, 1868.
- ***Day street**, Rox., 1868; from Centre street to Heath street; named Cross street, May 9, 1825; probably laid out Jan. 19, 1662; name changed to Day street, April 21, 1868. L 381, L 2187.
- Day street**, Bri.; from junction Washington street and Cambridge street; included in the laying out of Henshaw street, Nov. 6, 1891.
- Day's alley or lane**, B.; Henschman street, from Charter street to Lynn (now Commercial) street, so called prior to 1708.
- Dayton avenue**, Rox.; from 30 Mall street, north-east.
- ***Deacon street**, B., 1871; from West Concord street to Worcester street; named Nov. 14, 1871; laid out, Sept. 29, 1875. L 1077.
- Deacon street**, B., 1788; from Friends (Friend) street to Cold lane (Portland street), 1788; extended from Friend street to Merrimac street, Oct. 3, 1831; name of Deacon street discontinued and Sudbury street extended to Merrimac street, Sept. 2, 1839; name of Deacon street again discontinued and part from Portland street to Merrimac street made part of Sudbury street, April 14, 1851.
- Dean avenue**, Dor.; from Howard avenue; laid out as Dean street, and extended to Judson street, Oct. 14, 1892.
- ***Dean street**, Dor., 1892; from Howard avenue to Judson street; Dean avenue laid out as Dean street, Oct. 14, 1892. L 2447.
- Dean street**, Bri., 1871; from Warren street to Breck street; closed; Massachusetts (now Commonwealth) avenue having been laid out parallel with and a few feet from it.
- ***Dearborn place**, Rox., 1857; from Dearborn street, near Eustis street to Dearborn grammar school; laid out, June 27, 1871. L 627.
- ***Dearborn street**, Rox., 1857; from Albany street to Dudley street; part north of Eustis street called Abney place, 1850; westerly-line established from Davis (now Albany) street to Eustis street, June 22, 1857. L 1314.
- Dearborn's avenue**, B., 1823; from Federal street to Theatre alley (Devonshire street), 1823-45; closed.
- ***Deblois street**, B., 1871; from Shawmut avenue to Deacon street; named, Nov. 14, 1871; laid out, May 6, 1876. L 1146.
- Decatur avenue**, Rox.; first street south of Roxbury street running west from Columbus avenue.
- Decatur court**, Chsn.; from Decatur street, near Bainbridge street, north-west; shown as an unnamed court on plan, 1850; called also Decatur-street court.
- ***Decatur street**, B., 1842; from Washington street to Harrison avenue, near Dover street; laid out, Aug. 13, 1877. L 1258.
- ***Decatur street**, E. B., 1833; from Border street to Orleans street (with proposed extension to Lamson street); accepted, conditionally, from Border street to Meridian street, Aug. 16, 1852, and from Meridian street to Bremen street, May 17, 1856; accepted from Bremen street to Orleans street, April 5, 1859; part from Meridian street to Bremen street named Gove street, March 1, 1893. L 2502.
- Decatur street**, W. Rox., 1872; from Beech street, north-east, between Anawan avenue and West Roxbury branch R.R.; shown only on plan of Anawan land Co., dated June, 1872.
- ***Decatur street**, Chsn., 1850; from Bunker Hill street to Medford street; portion from Vine street to a new street laid out and accepted, Dec. 30, 1852; extended and laid out from Perry street to Medford street, Dec. 14, 1859; extended and laid out of uniform width from Vine street to Bunker Hill street, March 15, 1869.

Decatur-street court, Chsn.; from Decatur street, north-west; Decatur court, sometimes so-called.

Decher avenue, W. Rox.; from 198 Lamartine street.

Declination passage, B.; Hinchman street, from Charter street to Lynn (now Commercial) street, so called at some time prior to 1708; also called Day's alley or lane.

Dedham court, B., 1850; from Dedham street, east, 1850; included in Meander street, 1851.

***Dedham street**, B., 1826; from Washington street, west, 1826; the seventh of new streets at South End, from Tremont street to Front street (now Harrison avenue), named Dedham street, Sept. 15, 1834; extended to Albany street, 1854; order for purchase of land for extension to Beacon street, Nov. 8, 1856; street accepted, Dec. 7, 1857; accepted again, Oct. 30, 1860; portion west of Tremont street unofficially called Burlington street for a long time, and this name ordered removed from sign in 1864; from Tremont street to line of Boston Water Power Co.'s land named Dartmouth street, Jan. 23, 1866; from Washington street to Albany street named East Dedham street, April 21, 1868; from Washington street to Tremont street, named West Dedham street, April 21, 1868. L 295, L 372.

Dedham turnpike, Rox. and W. Rox., 1808; from Dudley street to Dedham line; Norfolk and Bristol turnpike sometimes so called; see map of 1849; called also Dedham and Providence turnpike, Dedham road, Dedham old road, road to Dedham, etc., Norfolk and Bristol turnpike; later called Shawmut avenue and now Washington street.

Dedham and Providence turnpike, Rox., 1843; now Washington street.

***Deerfield street**, Rox., 1893; from Commonwealth avenue to Charles river; laid out and construction ordered, June 7, 1893. L 2516.

Deering's corner, B., 1708; corner Cornhill (now Washington street) and Queen (now Court) street, then so-called.

Delaware street, Rox.; from Tremont street to Calumet street; authority to open given by Street Commissioners, Feb. 27, 1894; St. Alphonsus street extended through Delaware street to Calumet street, Sept. 23, 1895. L 2734.

Delay's court, Chsn.; from Walnut street, north-west.

Delhi street, Dor.; from Norfolk street, north-east, near and parallel to N. E. R.R.

Dell avenue, So. B.; from East Seventh street, near I street, north; now called Linder place.

Dell street, Dor.; from Dorchester avenue to Wrentham (now Bruce) street; laid out as Dracut street, April 19, 1890. L 2221.

***Delle avenue**, Rox., 1871; from Parker street, near Tremont street, to Burney street; laid out from Parker street, July 9, 1879. L 1363.

Deming's court, B., 1806; from Newbury (now Washington) street, south of Central court, 1806; called Central court, 1816; spelled also Demming's and D'Emming's court; see Avon place.

Demisa square, B.; from Reed street, west, about 225 feet; included in East Lenox street, 1874. L 957.

D'Emming's,
Demming's, } court, B.; see Deming's court.
Denning's,

Dennis place, Chsn.; from Walnut street, near Bunker Hill street, north-west; now called Bellows place.

***Dennis street**, Rox.; from Dudley street to Woodville street; formerly from Dudley street to Blue Hill avenue; laid out Jan. 19, 1662; confirmed, May 17, 1797; named from Eustis street to Warren street,

including present Dennis street, part of Blue Hill avenue and part of South Dennis street, May 9, 1825; laid out by County Commissioners from Warren street to Eustis (now Dudley) street, near Elm street (now Mt. Pleasant avenue) Sept., 1840; alterations in June, 1842; part now Blue Hill avenue shown on plan dated 1849 as East street, and part now Quincy street as South Dennis street; relocated from Dudley street to Woodville square (now street), June 4, 1886; name of that part between Woodville square and Blue Hill avenue changed to Woodville street, March 1, 1890. L 1085, L 1755, L 1909.

***Denny street**, Dor., 1892: from Savin Hill avenue to Springdale street; Bath avenue laid out as Denny street, April 21, 1892. L 2393.

†**Dent street**, W. Rox., 1872; from Mt. Vernon street to West Roxbury Branch R.R. at West Roxbury Station; portion from Jordan street to Ivory street laid out, Sept. 28, 1876; authority to open part between Lasell street and Weld street given by Street Commissioners, March 5, 1895. L 1173.

Denvir street, Dor.; from Edwin street, north, near Dorchester avenue.

Depot square, Dor., 1858; from Walnut street, south-east.

Depot square, W. Rox.; from Green street to Gordon street; at Jamaica Plain station.

Depot street, Rox.; from Brookline avenue, near Brookline Branch R.R., north-west, to same.

Derby avenue, B., 1841; from Brighton street to Auburn street, 1841; called Brighton-street avenue, 1844.

Derby court, So. B.; from East Second street, near H street, north.

Derby place, B., 1853; from Washington street, near Woodbury street, north-west, to unnamed place.

***Derne street**, B., 1806; from Bowdin street to Hancock street; called Hill street, from Middlecot (now Bowdoin) street to Hancock street in Selectmen's list, 1788; named Derne street, June 25, 1806. L 1505, L 2105.

Desmond place, Rox.; from 90 Fellows street.

***Devens street**, Chsn., 1882; from Washington street to Main street; formerly a part of Bow street; name changed to Devens street, March 1, 1882.

Devens-street place, Chsn.; from Devens street, between Rutherford avenue and Washington street.

Dever street, Dor.; from Bowdoin street, between Olney street and Blakeville street, north-west.

†**Devon street**, Rox., 1880; from Warren street to Columbia street; laid out from Blue Hill avenue to Warren street, Oct. 6, 1880; authority to open part east of Blue Hill avenue given by Street Commissioners, Dec. 5, 1893; authority to open portion from Columbia street north-westerly, given by Street Commissioners, Dec. 7, 1895. L 1496.

Devon street, Bri.; from Third street to Fifth street; shown on atlas of 1882; now in Brighton cattle yards.

***Devonshire street**, B., 1766; from Dock square to Summer street; from King (now State) street to Water street called Pudden or Pudding lane, and from Water street to Milk street called Joyliff's or Joylieff's lane, 1708; at one time called Black Jack alley from Water street to Milk street; Pudden lane was, after the fire, enlarged into a street, named Devonshire street, April 20, 1766, in honor of a merchant of Bristol who generously contributed to aid the sufferers by the fire; so called also in list of 1788; extended from Milk street to Franklin street through Theatre alley and Odeon avenue, June 22, 1857; from Franklin street to Otis and

Winthrop places, June 26, 1858, and Sept. 3, 1858; to Summer street through Winthrop place, April 23, 1861; same part accepted, Oct. 16, 1861; extended, June 25, 1862, and Dec. 30, 1862; extended 50 feet wide through Wilson's lane across Dock (now Adams) square to Washington street, June 6, 1872. L 101, L 105, L 133, L 163, L 205, L 375, L 376, L 399, L 400, L 767, L 772, L 831, L 832, L 834, L 852, L 982.

Dewerson court, So. B.; from Silver street, near C street, north-east.

***Dewey street**, Dor., 1889; from Blue Hill avenue to Howard avenue; Damascus street laid out as Dewey street, May 13, 1889. L 2131.

***DeWolf street**, Dor., 1880; from Commercial (now Freeport) street to Downer avenue; laid out, June 21, 1880; formerly Austin street, but with no record under that name. L 1464.

Dexter court, Dor., 1874; from Boston street, opposite Clapp place, west, then north.

Dexter row, Chsn.; on Thompson square, between Green street and Five Cents Savings Bank.

***Dexter street**, So. B., 1855; from Dorchester avenue, near Swett street, to Ellery street; name of Howard street changed to Dexter street, Aug. 7, 1855; laid out from Dorchester avenue to Ellery street, June 5, 1875. L 1048.

Dexter street, Chsn., 1896; from Alford street to Everett line, formerly called Carnes street.

***Dickens street**, Dor., 1879; from Adams street, near Dorchester avenue, east, to Clayton street, at Harrison square; laid out and widened, Aug. 25, 1879. L 1374, L 2124.

***Dighton place**, Bri.; south, from Washington street, between Chestnut Hill avenue and Eastburn street; formerly called Winship place; laid out as Dighton place, Dec. 19, 1889. L 1850, L 2177, L 2195, L 2196.

Dillaway place, B., 1840; from Charter street, north-east, nearly opposite Washburn place; called Carter place, 1874.

***Dillon street**, B., 1887; from Lenox street to Sawyer street; formerly known as Trainer court and Winfred court; laid out as Dillon street, Oct. 24, 1887. L 2034.

***Dimock street**, Rox., 1884; from Washington street, opposite Codman park, to Amory street; Codman avenue laid out as Dimock street, Oct. 20, 1884. L 1826.

†**Dingley place**, B., 1872; from Fayette street, east of Church street, north-west, past hose-house, then east, then south-east to Fayette street; part to hose-house formerly a part of Knox street, as laid out Sept. 29, 1868; part of Knox street from Church street, north, built over, and balance north of Church street included in Dingley place, 1869. L 387, L 392, L 404.

Dindale's alley, B.; from Milk street to Franklin street; so called prior to 1796, when it was called Theatre alley; included in Devonshire street in 1859.

Distill-House square, B., 1743; from Sudbury street, north-west, to Mill-pond, then south-west to the bottom of Hawkins street; also called Distillers square; called Still-house square in Selectmen's list, 1788; a portion known as Bog lane at one time; part included in Ivers street, 1820; name of remaining part changed to Adams street, Sept. 9, 1850, and to Bowker street, 1868.

Distill-House street, B., 1826; from Washington street to Harrison avenue, 1826; called Indiana street, 1844.

†**Ditson street**, Dor., 1882; from Charles street across Westville street; laid out, Nov. 4, 1882, from Charles street to Westville street. L 1662, L 2194.

Division street, B., 1869; from Northampton street to Chester park (now Massachusetts avenue), with arm at right angle extending to Harrison avenue, with three openings into Northampton street, named Division street, July 26, 1869.

***Division street**, So. B., 1873; from Dorchester avenue at its junction with Broadway, west, to Foundry street; laid out, Oct. 1, 1873. L 893, L 900.

Dix avenue, Bri., 1875; from Union street, south-west, near Madison avenue.

***Dix place**, B., 1846; from Washington street, north-west, opposite Harvard street; called Dutch lane prior to 1823; Orange court, 1823; Orange court, from Washington street towards Johnson school-house; accepted and laid out as Orange court, Sept. 1, 1845; name changed to Dix place, March 30, 1846. L 321.

***Dix street**, Dor., 1877; from Adams street, near Centre street, to Dorchester avenue; laid out from Adams street, May 21, 1877; extended to Dorchester avenue, including Luelner place, Oct. 2, 1877. L 1239, L 1267.

***Doane street**, B., 1806; from Kilby street to Broad street; Doane's wharf prior to 1806; by request of abutters, Selectmen record same as a public street with name of Doane street, June 11, 1806.

***Dock square**, B., 1708; between Adams square and Faneuil Hall square; the square between the houses of Eliakim Hutchinson and Mr. Pemberton on one side, and Kenney's shops and Meer's corner on the other, near the Town Dock, 1708; committee report that Town Dock belonged to Town, and recommended that Town fill up same and lay out suitable way, 1775; between Cornhill, west end of Faneuil Hall, then Market square, and King's Tavern, including the block of stores in the centre, 1800; portion discontinued, 1852; westerly end called Adams square, 1879. Vol. 31, p. 57. L 65.

Doherty court, E. B.; from Everett street, near Lamson street, north-east.

Dolan court, Rox.; from Norfolk avenue, near N. E. R.R., south-west; included in laying out of Marshfield street, July 5, 1890. L 2241.

Don street, Dor.; from Lauriat avenue to Chapman avenue; authority to open given by Street Commissioners, Sept. 14, 1894.

Donovan's court, Chsn.; from Mead street, near Bunker Hill street, south-east.

Doody's court, Dor.; from Geneva avenue, near Columbia street.

Doolin place, So. B.; from West Third street, south-west, between D street and E street.

***Dorchester avenue**, So. B. and Dor., 1854; from Federal-street bridge to junction Adams street and Washington street at Lower Mills; shown as an unnamed avenue on plan dated, 1811; formerly called Dorchester turnpike and sometimes, though improperly, South Boston turnpike, and the part from dividing line between Boston and Dorchester to Federal-street bridge called Turnpike street; Turnpike street from Federal-street bridge to dividing line between Boston and Dorchester named Dorchester avenue, March 27, 1854; part in Dorchester laid out and located, April, 1854; lines changed in neighborhood of Crescent avenue and Pond (now East Cottage) street, Sept. 8, 1865; name of part formerly Turnpike street and Dorchester avenue to dividing line between Boston and Dorchester changed to Federal street in continuation of that street, Feb. 13, 1866; same renamed Dorchester avenue, March 1, 1870; re-located from Commercial (now Freeport) street to Adams street, Aug. 18, 1881; relocated from Field's corner to the Lower Mills, May 12, 1884. Vol. 31, p. 79. L 39, L 79, L 85, L 245, L 360, L 446,

- L 474, L 603, L 632, L 683, L 725, L 881, L 1122, L 1123, L 1214, L 1215, L 1231, L 1285, L 1415, L 1510, L 1546, L 1771, L 1772, L 1773, L 1774, L 1865, L 2093, L 2223, L 2227, L 2436, L 2468, L 2469, L 2470, L 2471, L 2472, L 2473, L 2474, L 2475, L 2614.
- Dorchester road**, Dor., 1809; see plan, L 33, f. 177, Norfolk Registry.
- Dorchester square**, Dor, 1872; between Church, Winter, Adams, and Bowdoin streets; Meeting House Hill, called Dorchester square, Dec. 28, 1872.
- Dorchester street**, B.; from Washington street to Tremont street; Boookline street, so called previous to 1826; named West Brookline street, 1868.
- ***Dorchester street**, So. B., 1804; from junction Sweet, Boston, and Preble streets and Dorchester avenue (now Andrew square) to West First street (with proposed extension to I street); shown on plan dated Oct. 4, 1804, beginning on line which divides South Boston from Dorchester at the place "where the present road over the marsh and causeway crosses division line, thence running north, 63 degrees, 42 chains and 20 links; and 80 feet wide;" on annexation of part of Dorchester with name of South Boston, the principal street from the dividing line, north-easterly, named Dorchester street, Feb. 27, 1805; committee authorized to complete so much "as they may think expedient," May 19, 1819; completed from Broadway to First street, Nov. 7, 1821; street "running from Dorchester line to the water, in a north-easterly direction, formerly called Dorchester street, and recently Mather street and Boston street," named Dorchester street throughout, July 3, 1855; lines defined between Eighth street and O. C. (now N. Y., N. H. & H.) R.R., Dec. 15, 1863; laid out from I street to line between Boston and Dorchester, Nov. 17, 1868; part between Dorchester avenue and Boston street (at Mt. Vernon street) named Boston street, Oct. 7, 1873. Vol. 31, p. 16 L 53, L 140, L 195, L 253, L 263, L 265, L 267, L 335, L 353, L 363, L 683, L 716, L 865, L 866, L 879, L 1209, L 1415, L 1508.
- Dorchester turnpike**, Dor., 1805; from Milton bridge to Nook point; see stat. March 4, 1805; "Turnpike to Boston;" laid out and located as public way, April 22, 1854; called Dorchester avenue.
- Dorchesterway**, Dor., 1892; part of Parkway, from Edward Everett square, to the water in Old Harbor; named, 1892.
- Dorr street**, So. B., 1864; from 448 Dorchester avenue, near D street, south-east, crossing Ames street; shown as an unnamed street on plan, 1854.
- ***Dorr street**, Rox., 1833; from Highland street to Ascension street (now Lambert avenue); laid out and accepted, Dec. 8, 1871. L 723.
- ***Dorrance street**, Chsn., 1863; from junction Mystic avenue and Main street to Arlington avenue; from Main street, laid out and accepted, Dec. 24, 1868.
- ***Dorset street**, Dor.; from Boston street to Dorchester avenue, opposite Locust street; laid out Aug. 8, 1888. L 2086.
- ***Dorsett's alley**, B.; opinion of town advocate that the way was a townway Nov. 11, 1807; same as Dasset's alley; included in Brattle street in 1820.
- Douglas street**, So. B., 1860; from East Eighth street, near G street, to East Ninth street.
- Douglass avenue**, Rox.; from Mall street, between Dayton avenue and Harrison avenue, to Webber street; called also Mall-street place in 1873.
- Douglass court**, B., 1872; from Endicott street, east; called Endicott-street place, 1837; Douglass court, 1872.
- Dove court**, Rox.; from Dove street, south-west.

- *Dove street**, So. B., 1862; from Dorchester street, between West First street and West Second street, to E street; report recommending acceptance from Dorchester street to F street, on certain conditions, July 28, 1862; same laid out and accepted Sept. 11, 1878; laid out from E street to F street, July 2, 1885. L 1317, L 1867.
- *Dove street**, Rox., 1853; from Blue Hill avenue to Cherry (now Dacia) street; laid out and accepted, July 29, 1879. L 1731.
- Dover place**, B., 1848; from Dover street, south, then east to Harrison avenue, called Granite place, 1844; Dover place, 1848; Dover-street place, 1861; laid out with name of Fay street, Nov. 9, 1877. L 1288.
- *Dover street**, B., 1834; from Tremont street to N. Y., N. H. & H. R.R.; laid out from Orange (now Washington) street to South bridge on Front street (now Harrison avenue), but not named, July 11, 1804; extended to Tremont street and named Dover street, Nov. 10, 1834; from Washington street to South Boston bridge, including South Bridge street (sometimes called Bridge street and also East Dover street), 1839; laid out over tide-water, from Albany street to location of O. C. (now N. Y., N. H. & H.) R.R., Aug. 16, 1876. L 26, L 185½, L 408, L 544, L 545, L 639, L 724, L 837, L 1164, L 1184, L 1349.
- *Dover-street bridge**, B., 1839; from Front street (now Harrison avenue) to South Boston; called South bridge and South Boston bridge, 1805; made part of Dover street, Aug. 16, 1876.
- Dover-street place**, B., 1861; from East Dover street, south, then east to Harrison avenue; called Granite place, 1844; Dover place, 1848; Dover-street place, 1861; laid out with name of Fay st., Nov. 9, 1877. L 26, L 1288.
- †Downer avenue**, Dor., 1871; from Pleasant street, near Hancock street, to Sawyer avenue; laid out from Pleasant street 284 feet crossing end of De Wolf street, Dec. 13, 1879. L 729, L 1413.
- Downer court**, Dor.; from 253 Hancock street, near Draper court, north-west.
- Downer place**, Dor.; from Hancock street, near Adams street.
- *Downer street**, Rox.; 1866; from Tremont street (now Huntington avenue), north-east, near Brookline line, and parallel with Muddy river; laid out, Nov. 9, 1877; included in Riverway, April 30, 1890. L 1286.
- Downing place**, Rox.; from 159 Vernon street.
- *Downing street**, Rox., 1884; from Culvert street to Vernon street; Culvert place, laid out and named Downing street, Aug. 29, 1884. L 1812.
- *Dracut street**, Dor., 1890; from Dorchester avenue to Wrentham (now Bruce) street; Dell street laid out as Dracut street, April 19, 1890. L 2221.
- Drake street**, E. B., from 96 Chelsea street to Paris street.
- *Draper court**, Dor., 1807; from Eaton square near Quincy street, north-west; located, May 18, 1807.
- †Draper street**, Dor., 1871; from Arcadia street, north-west, crossing Westville street and Robinson street; laid out from Robinson street to Arcadia street, Nov. 10, 1871; authority to open part between Homes avenue and Bowdoin street given by Street Commissioners, Aug. 2, 1894. L 713, L 1538.
- Draper street**, W. Rox., 1872; from Beech street, north-east, between Anawan avenue and West Roxbury Branch R.R.; shown only on plan of Anawan Land Co., dated June, 1872.

- Draper's alley**, B., 1734; from Brattle square to Cornhill; called also Boylston's alley; included in extension of Washington street, 1872.
- Draper's lane**, B., from Newland street to Ivanhoe street.
- Draw-Bridge**, B.; over the Mill creek, in Ann (now North) street; rebuilt about 1688.
- Draw-Bridge street**, B.; Ann (now North) street was at one time so called.
- Drew place**, Rox.; from Ruggles street, near Windsor street, north-east.
- Drisko street**, Rox., 1871; from Parker street, crossing Huntington avenue, south-east.
- Dromey avenue**, Dor.; from Judson street, south-east, then south-west to Brookford street; formerly from Brookford street, crossing end of Judson street, and to Brookford street again. Judson street extended over a portion of Dromey avenue to Brookford street, Dec. 12, 1896. L 2800.
- Druid street**, Dor.; from Morton street to Codman street; authority to open part given by Street Commissioners, May 5, 1893, and June 7, 1893.
- Drum lane**, B.; from the Mill-pond, east, to the sea; now Cross street.
- Drury place**, Rox., 1874; from Parker street, nearly opposite Delle avenue, to Terrace street; laid out as a public street with name of Oscar street Aug. 19, 1881. L 1548.
- Duck lane**, Bri.; from Western avenue, north-east, to Smith street, near and parallel with, North Harvard street.
- Dudley avenue**, W. Rox., 1871; from Washington street (formerly Shawmut avenue) across B. & P. (now N. Y., N. H. & H., R.R. to South street; called in 1867 Dudley avenue, and described as leading from South street to Shawmut avenue.
- Dudley place**, Rox., 1855; from Dudley street, north, near Putnam street, then both east and west.
- Dudley square**, Rox.; junction Washington and Dudley streets and Guild row.
- *Dudley street**, Rox. and Dor., 1662; from Eliot square in Roxbury, to junction of Hancock, Boston, and Stoughton streets, in Dorchester, and a piece in Roxbury, now called Dearborn street, running north from a point opposite Mt. Pleasant avenue, to Eustis street; located from Guild row to Dorchester brook, Jan. 19, 1662; part in Roxbury, from Guild row to Roxbury street at Eliot square, opened and called Dudley street, prior to 1825; named "from parting stone by James Riley's store, through Dudley street by Samuel Weld's to Eustis street," May 9, 1825; straightened, etc., near Greenville street, Oct. 26, 1846; part of Eustis street, from what is now Dearborn st. to Dorchester line named Dudley street, April 21, 1868; name of part of Stoughton street, "from Brooks avenue to Upham's corner," changed to Dudley street, June 30, 1874; part in Dorchester sometimes called Lower road to Boston. L 628, L 701, L 702, L 703, L 704, L 705, L 706, L 782, L 783, L 784, L 880, L 882, L 902, L 1369, L 1541, L 1788, L 1791, L 2290, L 2755.
- Duke street**, Dor., 1895; from Ponemah street to Ormond street; authority to open given by Street Commissioners, May 20, 1895.
- Dumas street**, Dor.; from Willowood street to Mascot street.
- Dummers' corner**, B., 1708; cor. of King (now State) street, and Mackerel lane (now Kilby street) then so-called.
- Dummers' corner**, B., 1732; cor. School street and Governor's alley (Province street) then so-called.
- Dunbar avenue**, Dor.; from Washington street nearly opposite Roslin street, to Gordon street.

- Dunbar street**, W. Rox.; from Westover street, north-east, to Brookline line.
- Dunboy avenue**, Bri.; from Faneuil street to Bigelow street; known as Everett street in 1858; laid out as Dunboy street, Aug. 13, 1889. L 2151.
- *Dunboy street**, Bri., 1889; from Faneuil street to Bigelow street; known as Everett street in 1858; Dunboy avenue in 1889; Dunboy avenue laid out as Dunboy street, Aug. 13, 1889. L 2151.
- Duncan place**, Dor.; from Duncan street, opposite Fenton street, south-west.
- Duncan street**, Rox., 1873; from Ruggles street, opposite Leon street to Halleck street; authority to open given by Street Commissioners Oct. 5, 1895.
- *Duncan street**, Dor., 1870; from Leonard street to Greenwich street, near Fleet's corner; laid out, Dec. 14, 1893. L 2572.
- *Dundee street**, Rox., 1891; from Massachusetts avenue to Dalton street; laid out from West Chester park (now Massachusetts avenue) to Dalton street, Nov. 2, 1891. L 2355.
- Dunford street**, Rox.; from Cobden street; authority to open given by Street Commissioner, Feb. 6, 1893.
- Dunham park**, So. B.; from 65 West Fifth street; formerly Webster place.
- *Dunham street**, So. B., 1885; from angle in East Ninth street, south-east of Lowland street to Old Harbor street; name of part of East Ninth street changed to Dunham street, March 1, 1885. L 191, L 192, L 751, L 1789.
- Dunkeld street**, Dor.; from Quincy street to Phipps avenue.
- Dunlow place**, Rox.; from Dunlow street near Elmwood street.
- Dunlow street**, Rox., 1868; from Roxbury street to Elmwood street; name of High street changed to Dunlow street, April 21, 1868.
- *Dunmore street**, Rox., 1884; from Dudley street to Magazine street; part of Magazine street, from St. Patrick's church to Dudley street, at Hampden street, named Dunmore street, March 1, 1884. L 1972.
- Dunreath place**, Rox.; from Warren street, near Montrose avenue (now street), east; laid out as Dunreath street, from Warren street, May 10, 1889. L 2130.
- *Dunreath street**, Rox., 1889; from Warren street, near Montrose street; laid out, May 10, 1889. L 2130.
- *Dunstable street**, Chsn., 1881; from Main street to Rutherford avenue; private way called Winchester street, laid out from Rutherford avenue, and extended to Main street, and named Dunstable street, Nov. 11, 1881. L 1565.
- Dupée place**, B., 1839; from Friend street, north, near Hanover street; 1839; part included in extension of Washington street, 1872, and the remainder built over.
- *Dupont street**, Chsn., 1890; from Chelsea street to Decatur street; part of Perry street laid out as Dupont street, Aug. 29, 1890. L 2258.
- Durant street**, W. Rox., 1895; from Baker street to Barnes street; authority to open given by Street Commissioners, May 3, 1895.
- *Durham street**, B., 1880; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.; laid out Jan. 19, 1880. L 1424.
- *Dustin street**, Bri., 1890; from Cambridge street to North Beacon street; Gramercy street laid out as Dustin street, Feb. 20, 1890. L 2207.
- Dutch lane**, B.; from Washington street, west, near Eliot street; so called prior to 1823; called Orange court, 1823; named Dix place, 1846.

- Dutton place**, B., 1857; from Phillips street, near Grove street, north.
- *Dwight street**, B., 1859; from Shawmut avenue to Tremont street; a part of Groton street, 1826; named Dwight street, April 19, 1859.
- Dwinell street**, W. Rox.; from Weld street, near Arnold street, to beyond Worley street.
- Dyer avenue**, Dor., 1872 (proposed); from Blue Hill avenue, near Tilton avenue, north-west.
- Dyer avenue**, So. B.; from West Third street to Athens street, near F street.
- Dyer street**, Dor., 1871; from Capen street, east, then south-east, to Evans street.
- Dyke road**, Rox., 1832; from Tide Mill road, south-east, to boundary line between Boston and Roxbury; part of Dyke street, Boston, and now part of Harrison avenue.
- Dyke street**, B.; ordered to be repaired, etc., from Dedham (now East Dedham) street, to the east end of the Dyke, June 2, 1835; Front street (now Harrison avenue) continued, spoken of as "lately Dyke street," Oct., 1835; now a part of Harrison avenue.
- †**E street**, So. B., 1804; from O.C. (now N. Y., N. H. & H.) R.R. to low-water mark with proposed extension to Eastern avenue (now Congress street); projected "from the boundary line to the sea;" laid out 50 feet wide by Town of Dorchester, from North (now West Eighth) street 62 feet to South Boston line, April 11, 1849; laid out from Sullivan (now West Ninth) street to low-water mark, Nov. 17, 1868; laid out from West Ninth street to the O. C. R.R., Oct. 12, 1892. L 2443.
- E street**, W. Rox., 1868; from Spring Park avenue, south, then east to D (now Rockview) street; laid out from Spring Park avenue to Hazel street under name of Enfield street, Aug. 28, 1880; and from Rockview (formerly D) street to Enfield street, under name of Hazel street, Aug. 28, 1880. L 1477, L 1478.
- E street**, Dor., 1892; from Pleasant street to F (now Bakersfield) street; authority to open given by Street Commissioners, May 4, 1892; afterwards called Willis street, and laid out under that name from Pleasant street to Summer street, Aug. 10, 1893. L 2527.
- E street — D street**, W. Rox., 1868; street so called connecting D (now Rockview) street, and E (now Enfield) street, and about 190 feet long; laid out as Hazel street, Aug. 28, 1880. L 1478.
- Eagle-Mill place**, Dor.; from River street, opposite Cedar street, south.
- Eagle pass**, Chsn.; from Mead street, north-west, near Russell street, shown on atlas of 1892.
- Eagle square**, E. B., 1858; space enclosed by Eagle street, Sumner street and Chelsea street, so-called, Nov. 1, 1868.
- Eagle street**, W. Rox.; from Cottage avenue to Willet street.
- *Eagle street**, E. B., 1835; from Border street to Brooks street, and from Reservoir lot, west of Putnam street, in continuation of part first described to Eagle square; land accepted as public highways, at junction of Trenton street and Eagle street, Lexington street and Eagle street, and Princeton street and Eagle street, Nov. 1, 1858; accepted between Border street and Brooks street, and between Reservoir lands and Chelsea street, April 5, 1859; sometimes called East Eagle street and West Eagle street. Vol. 31, p. 23. L 448, L 755.
- Earl street**, So. B., 1849; from Dorr street to O. C. (now N. Y., N. H. & H.) R.R., and thence to West Ninth street.
- *East street**, B., 1735; from South street to Federal street; called Sea street in 1819; for date 1735, see Pub. Stats.; from South street to Sea (now Federal) street, 1822. Vol. 31, p. 25.

- East street, Rox., 1842;** in two parts, viz.: (Blue Hill avenue) from Warren street, near Grove Hall, to Eustis (near Dudley) street, at Elm street (now Mt. Pleasant avenue), over part of Dennis street and (Hampden street) from Eustis street at Magazine street to the Lead Works, at corner of Davis (now Albany) street, Northern place and Swett street; named, Aug. 29, 1842; name of part from Eustis street to Warren street changed to Grove Hall avenue, Dec. 8, 1851; bounds altered, March 14, 1853, to correspond with laying out by County Commissioners, as shown on plan of Dec. 15, 1852; name of part from Davis street to Eustis street changed to Hampden street, April 21, 1868.
- *East street, Dor., 1840;** from Adams street at Meeting-House Hill to Dorchester avenue; named from Mrs. Saunders' to Mr. Glover's store; March 11, 1840. L 791, L 2310.
- East street, W. Rox., 1871;** from Adams street to High street; abandoned.
- East-street place, B., 1835;** from East street, south. L 1674.
- *East Broadway, So. B., 1873;** from Dorchester street, opposite West Broadway, to Q street (City Point); part of Broadway from Dorchester street to low-water mark called East Broadway, Feb. 18, 1873; all that portion east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. Vol. 31, p. 94. L 8, L 125, L 154, L 363, L 2056.
- *East Brookline street, B., 1868;** from Washington street to Albany street; part of Brookline street between Washington street and Albany street named East Brookline street, April 21, 1868.
- Eastburn place, Bri ;** from 25 Eastburn street.
- *Eastburn street, Bri., 1886;** from Washington street to Mt. Vernon street; private way heretofore known as Worcester street and as Church street laid out with name of Eastburn street, June 11, 1886. L 1911.
- *East Canton street, B., 1868;** from Washington street to Albany street; the part of Canton street east of Washington street named East Canton street, April 21, 1868. L 50.
- East Castle street, B., 1732;** from Orange (now Washington) street, east, to the water in 1732; to Front street (now Harrison avenue), 1805; name changed to Motte street, June 23, 1874. L 434.
- East Chester avenue, B., 1869;** from Washington street to Albany street; East Chester park, that is between Washington street and Albany street, named East Chester avenue, July 13, 1869; same named Chester park, April 5, 1870; named Massachusetts avenue, March 1, 1894.
- *East Chester park, B., 1858;** from Washington street to Albany street; the part of Chester park lying east of Harrison avenue, that is, between Harrison avenue and South Bay, named East Chester park, Nov. 16, 1858; same accepted, Oct. 30, 1860; extended to Albany street, Nov. 17, 1865; Chester park from Washington street to Harrison avenue included in East Chester park, April 27, 1869; East Chester park, that is, between Washington street and Albany street, named East Chester avenue, July 13, 1869, and same named Chester park, April 5, 1870; all of East Chester park named Massachusetts avenue, March 1, 1894. L 261, L 303, L 1331, L 1512, L 2299.
- *East Chester park, B., Rox. and Dor., 1874;** from Albany street to Boston street at Five Corners (now Edward Everett square); part from Albany street across the Ox-Bow, extended, Nov. 17, 1865; extended by laying out part from Swett street to Boston street, Dec. 13, 1873; part from Albany street to Swett street laid out, Jan. 4, 1879; named Massachusetts avenue, March 1, 1894. L 1327, L 1328, L 1329, L 1330, L 1331, L 1352, L 1701, L 2485, L 2546, L 2547.

- East Chester street, B.;** the part of Chester street east of Washington street; sometimes so called prior to 1858.
- East Clinton street, B.,** 1856; part of Clinton street, from Commercial street to Mercantile street, so called in 1856.
- *East Concord street, B.,** 1868; from Washington street to Albany street; the part of Concord street between Washington street and Albany street, so named April 21, 1868. Vol. 31, p. 1. L 1770.
- *East Cottage street, Dor.,** 1893; from Dudley street to Dorchester avenue; part between Dudley street and Pleasant street formerly called Cottage street, and part between Pleasant street and Dorchester avenue formerly called Pond street; both parts named East Cottage street, March 1, 1893. L 811, L 812, L 813, L 814, L 815, L 858, L 859, L 860, L 861, L 2547.
- *East Dedham street, B.,** 1868; from Washington street to Albany street; the part of Dedham street between Washington street and Albany street so named, April 21, 1868. L 1442.
- East Dover street, B.,** 1834; the part of Dover street from Washington street to South Boston bridge (now Dover-street bridge), sometimes so called 1834-1839.
- *East Eagle street, E. B.;** part of Eagle street from Reservoir grounds west of Putnam street to Eagle square sometimes so called.
- *East Eighth street, So. B.,** 1873; from Dorchester street to O street; the part of Eighth street from Dorchester street to O street so called, Feb. 18, 1873. L 109, L 2118.
- *Eastern avenue, B.,** 1843; from Commercial street to East Boston South Ferry; laid out, Aug. 3, 1880. L 207, L 1473.
- *Eastern avenue, B. and So. B.,** 1863; laid out 100 feet wide from Fort Point channel to land or flats of Boston Wharf Co., 1,150 feet north-east from Mt. Washington avenue, Nov. 17, 1863; from Broad street (now Atlantic avenue) to Harbor Commissioners' line in Fort Point channel in continuation of Congress street, Jan. 3, 1874; extended by existing bridge across Fort Point channel to C street, extended, March 14, 1879; name changed to Congress street, from Atlantic avenue to C street, July 12, 1880, taking effect March 1, 1881. L 27, L 918, L 1199.
- *East Fifth street, So. B.,** 1873; from G street to Q street (City Point); the part of Fifth street from G street to low-water mark so called, Feb. 18, 1873; part east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. L 8, L 509, L 1614, L 1920.
- *East First street, So. B.,** 1873; from H street to low-water mark (east of P street, but not beyond Q street); part of First street so named, Feb. 27, 1805; the part east of H street so named, Feb. 18, 1873; part east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. L 215, L 223, L 229, L 1444.
- *East Fourth street, So. B.,** 1873; from Dorchester street to Q street (City Point); the part of Fourth street between Dorchester street and low-water mark so called, Feb. 18, 1873; part east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. L 8, L 145, L 258, L 604, L 1154.
- East High street, B.;** that part of High street from Fort Hill square to junction of Broad street and Purchase street sometimes so called.
- *East Lenox street, B. and Rox.,** 1851; from Washington street to Fellows street; called Shawmut place from Washington street, east, 1849; East Lenox street, 1851; laid out and extended to Harrison avenue, Sept. 25, 1874; to Fellows street, including Demisa square, Dec. 8, 1874. L 957, L 958, L 991, L 1353.
- Eastman place, Dor.;** from Eastman street.

- *Eastman street**, Dor., 1888 ; from Boston street to Elder street; laid out, Nov. 9, 1888. L 2104.
- *East Newton street**, B., 1868 ; from Washington street to Albany street; the part of Newton street between Washington street and Albany street so named, April 21, 1868. L 1770, L 2491.
- *East Ninth street**, So. B., 1873; from Dorchester street to N street, with proposed extension to O street; the part of Ninth street from Dorchester street to Old Harbor street, and from G street to N street so called Feb. 18, 1873; extended from H street to Lowland (now Mercer) street Dec. 29, 1882; laid out as a public street from the angle south-east of Lowland street to H street, Oct. 6, 1883, and part between Lowland street and said angle laid out as Burnham street, July 13, 1883; name of part of street as originally laid out from angle south-east of Lowland street to Old Harbor street paralleled by the extension of said East Ninth street to H street, changed to Dunham street, March 1, 1885. L 52, L 191, L 192, L 751, L 1693, L 1719, L 1720, L 1789.
- East Northampton street**, Rox., 1873; from junction of Island street and Gerard street, south-easterly, parallel with Allerton street; shown since 1873 only on directory map for 1884.
- Easton street**, B., 1849; from corner of Malden street, extended, and Albany street, to a dock in South Bay; named, May 14, 1849; see plan of Neck lands February, 1848; abandoned.
- †Easton street**, Bri., 1889; from Franklin street to east of Mansfield street; formerly called Hill avenue; laid out from Franklin street to Mansfield street, Sept. 10, 1889. L 2165.
- *East Orange street**, B., 1840 ; from Washington street, east, in 1840; probably Orange lane in 1827; to Lehigh street, 1843; between Harrison avenue and Lehigh street, called on many old plans, Orange street; accepted from Harrison avenue to Albany street, Sept. 27, 1852; accepted, May 26, 1857; name changed to Way street, Dec. 21, 1857; named East Orange street again, Dec. 30, 1857; named Way street from Harrison avenue to Lehigh street, March 21, 1864; the part between Washington street and Harrison avenue has been discontinued, or is now part of Orange lane. L 95.
- *East Second street**, So. B., 1873; from Dorchester street to Q street (City Point); the part of Second street, from Dorchester street to low-water mark, so called, Feb. 18, 1873; part east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. L 8, L 216, L 265, L 1445, L 2229.
- *East Seventh street**, So. B., 1873; from G street to the water, east of O street; the part of Second street as above so called, Feb. 18, 1873; part east of Q street, adjoining land of City of Boston, discontinued, Aug. 20, 1885. Vol. 31, pp. 35, 48.
- *East Sixth street**, So. B., 1873; from G street to Q street (City Point); part of Sixth street so called, Feb. 18, 1873; part between G street and H street laid out, Oct. 22, 1874; part east of Q street, adjoining land of City of Boston, discontinued, Aug. 20, 1885. L 7, L 980.
- *East Springfield street**, B., 1861; from Washington street to Albany street; so called on plan dated 1861; part of Springfield street as above so called, April 21, 1868, part between Harrison avenue and Albany street, discontinued, July 10, 1891. L 176, L 261, L 303, L 1512, L 2299.
- East Tenth street**, So. B. (proposed); from proposed extension of H street to the water east of M street; included in the Strandway.
- *East Third street**, So. B., 1873; from Dorchester street to west side of Independence square, and from east side of same to Q street (City Point); part of Third street, east of Dorchester street, to low-water

mark so called, Feb. 18, 1873; part east of Q street adjoining land of City of Boston discontinued, Aug. 20, 1885. L 8, L 123, L 143, L 155, L 157, L 2049, L 2490.

East Waltham street, B.; part of the present Waltham street, from Washington street to Harrison avenue; so called in 1850, crossing and including part of what was formerly Adams court.

East Windsor street, Rox.; Windsor street, from Cabot street to Shawmut avenue, sometimes so called.

East Worcester street, B., 1834; from Washington street to Front street (now Harrison avenue); named Worcester square, 1851; from Harrison avenue to Albany street, 1854, but abandoned in 1861 for site for the new City Hospital.

Eaton court, B., 1846; from North Bennet street, near Hanover street, south-west; Eaton place, sometimes so called.

Eaton court, B., 1844; from Gouch (now Norman) street, near Green street, west; now called Eaton place.

Eaton court, Rox., 1869; from Cedar street, near Pyncheon street (now Columbus avenue), to Merton place; called also Eaton street; laid out as Newark street, July 22, 1892. L 2416.

Eaton place, B., 1844; from Gouch (now Norman) street, near Green street, north-west; called also Eaton court.

Eaton place, B., 1846; from North Bennet street, near Hanover street, south-west; more commonly called Eaton court.

Eaton square, Dor., 1880; enclosure bounded by Adams, Bowdoin, Church, and Hancock streets; laid out and named Percival square, April 7, 1879; named Eaton square, June 1, 1880; the street now forming the south side of Eaton square, named as a part of Church street, 1840, was changed to Bowdoin street, March 1, 1882. L 1010.

***Eaton street**, B., 1795; from Chambers street to North Russell street, 1795; named about 1802; confirmed as a public street, Sept. 15, 1834.

Eaton street, Rox.; from Cedar street, near Pyncheon street, to Merton place; Eaton court sometimes so called; laid out as Newark street, July 22, 1892. L 2416.

†Eaton street, Rox., 1849; shown on map, 1849, as extending from East (now Hampden) street, south-west, across Yeoman street; afterwards continued south-east, by a bend past Orchard street to Adams street; accepted from Yeoman street to East street, and named, May 28, 1855; same accepted again according to a new plan, June 30, 1856; that part of Eaton street from Orchard street to Adams street accepted and made part of Orchard street, Nov. 12, 1860; later part from Yeoman street to Orchard street called Trask place; part from East street to Yeoman street, named Chadwick street, April 21, 1868; Trask place from Yeoman street to Hartopp place (now Ambrose street) laid out as Chadwick street, May 24 and Dec. 31, 1870; part from Orchard street to Hartopp place laid out as Orchard Park street, Feb. 19, 1876.

Eaton street, Dor.; from Tolman street, north-west; between Bloomington street, and Norwood street.

Eddy place, B., 1848; from Tyler street, near Curve street, west.

Eden place, Chsn.; from Eden street, near Eden-street court, south-east.

***Eden street**, Chsn., 1826; from Main street, at Hancock square, to Russell street; accepted, April 4, 1826.

Eden-street court, Chsn.; from 19 Eden street, south-east, to an open space.

***Edge Hill street**, Rox.; from Gay Head street to Round Hill street; laid out, Nov. 1, 1893. L 2545.

- Ederly place**, B., 1841; from Winchester street, between Ferdinand street and Church street, south.
- Edgewater drive**, Dor., 1896; from River street to Hyde Park line; authority to open given by Street Commissioners, Feb. 24, 1896.
- *Edgewood street**, Rox., 1868; from Warren street to Blue Hill avenue; name of Park street changed to Edgewood street, April 21, 1868; laid out April 9, 1875. L 1033, L 1034.
- Edgeworth place**, E. B.; from Paris street, between Sumner street and Maverick street, north-west.
- *Edgeworth street**, Chsn., 1845; from Bunker Hill street to Prospect street; laid out and accepted from Bunker Hill street to Jay (now Tremont) street, Dec. 14, 1859; extended and laid out from Tremont street to Prospect street, under the same name, April 26, 1870.
- *Edinboro' street**, B., 1839; from Essex street to Beach street; laid out, May 18, 1872. L 759.
- Edinboro' street**, Rox., 1846; from Cedar street, south-west, parallel with Norfolk and Bristol turnpike (sometimes called Dedham turnpike, and now Washington street), and then south-east to the turnpike; accepted, conditionally, from Cedar street to Ellis street, Sept. 3, 1855; named Thornton street, April 21, 1868; at one time also called Wiggin street.
- Edison Green**, Dor., 1895; from Dorchester avenue to Pond street; authority to open given by Street Commissioners, Sept. 19, 1895.
- Edmunds court or place**, Chsn.; from Rutherford avenue to Lawrence street; formerly from Rutherford avenue, north-east, connecting with Brown court; shown as an unnamed street in 1851; called Edmunds place, 1863 and 1878; called Edmunds court in 1884; laid out from Rutherford avenue to Lawrence street, with name of Benedict street, July 2, 1887. L 1999.
- Edmund place**, B., 1863; from North Russell street, west, between Parkman street and Russell place.
- Edna street**, Dor., 1894; from Walk Hill street to Clearview street; authority to open given by Street Commissioners, Dec. 26, 1894; abandoned.
- *Edson street**, Dor., 1888; from Norfolk street to Milton avenue; Prospect street laid out as Edson street, Sept. 6, 1888. L 2091.
- Edward street**, Chsn.; from Mishawum street to Gibbs court.
- *Edward Everett square**, Dor., 1894; junction Massachusetts avenue, Boston street, East Cottage street, and Dorchesterway; Five Corners named Edward Everett square, Jan. 24, 1894.
- Edward's corner**, B., 1732; corner of Fish (now Hanover) street, and Wood's lane (now Richmond street) then so called.
- Edwards place**, Rox.; from 37 Adams street (Directory); maps and atlases show same as Travers place.
- Edwin street**, Dor.; from Dorchester avenue to Shawmut park extended; laid out May 7, 1896. L 2763.
- *Egleston square**, Rox. and W. Rox., 1866; from Walnut avenue to Washington street; laid out from Walnut street (now Walnut avenue) to Shawmut avenue (now Washington street), March 26, 1866; name changed to Seaver street, being a continuation of that street, March 1, 1882; included in extension of Columbus avenue, Jan. 4, 1895. L 930.
- *Egleston street**, W. Rox., 1890; from School street to Boylston street; laid out, June 5, 1890. L 2228.
- Egmont street**, So. B. (proposed street); from the proposed extension of B street to the proposed extension of E street, on the so-called Commonwealth flats.

Eighth street, B., 1866; Hereford street so called on plan.

***Eighth street, So. B., 1804;** shown on Badlam's plan, 1804; parallel with Broadway from Dorchester street easterly to the sea; part west of Dorchester street, crossing end of E street, formerly called North street; laid out as per said plan and named, Feb. 27, 1805; accepted "as extended by deed of Taylor and Mully to City," Dec. 22, 1857; extended to D street, Dec. 31, 1857; accepted as extended 60 feet west of D street, Jan. 29, 1861; name of Goddard street (from D street to Dorchester street) changed to Eighth street, being properly a continuation of same, April 9, 1867; narrow street from D street to E street, "heretofore improperly called Eighth street," named Baxter street, April 9, 1867; portion 75 feet east of D street, accepted Sept. 17, 1867; laid out from D street to Dorchester street and thence to low-water mark, Nov. 17, 1868; extended north-west from D street, May 4, 1869; named East and West Eighth streets, Feb. 18, 1873. L 109, L 201, L 257, L 273, L 369.

Elbow alley, B., 1708; from Ann street, north and east, to Cross street; closed.

Elbow street, E. B.; from Meridian street, east, then south-east, to Chelsea street, near Maverick square.

Elder court or place, B.; from Brighton street, south-east, between Poplar street and Allen street; called Brighton-street court, 1860; Elder court, 1863; Elder place, 1868.

Elder street, Dor.; from Humphrey's street, east, near East Cottage street.

***Eldon street, Dor., 1880;** from Washington street to Rosseter street; laid out from Washington street to Bowdoin avenue, Jan. 28, 1880; extended from southerly part of Bowdoin avenue to northerly part of Bowdoin avenue (now Rosseter street), Sept. 5, 1881. L 1431, L 1550, L 1897.

***Eldora street, Rox.;** from Hillside street to Sunset street; laid out, March 30, 1891. L 2285.

Eldredge street, W. Rox., 1871; from Metropolitan avenue, near Poplar street, south-west.

Eldridge road, W. Rox., 1896; from Hyde Park avenue, near Walk Hill street, to beyond Nathan street; authority to open given by Street Commissioners, Aug. 5, 1896.

***Eleanor street, Bri.;** from Cambridge street to Ridgemont street; authority to open given by Street Commissioners, Feb. 2, 1893; laid out, Dec. 14, 1894. L 2670.

Elgin street, W. Rox.; from Centre street, near La Grange street.

Eliot court, B., 1829; from Eliot street, south; called Carlton place, 1838; now built over.

Eliot place, B., 1845; from Eliot street, near Tremont street, north.

Eliot place, Rox.; from Roxbury street, near Gay street, north; name changed to Malbon place, April 21, 1868.

Eliot place, W. Rox.; from 39 Eliot street, north-east.

***Eliot square, Rox., 1849;** unenclosed space between Roxbury, Dudley, Bartlett, Highland, and Centre streets; named, Dec. 17, 1849.

***Eliot street, B., 1740;** from Washington street to Columbus avenue, at Park square; laid out by owners, 1740; across Holyoke (now Tremont) street, east and west, 1750; from Orange (now Washington) street, to Pleasant street, 1788, and then called Eliot street; Kneeland street named Eliot street, so that the avenue running from side to side of city might bear the same name, July 16, 1838; same part called Kneeland street again, June 2, 1840; extended from Pleasant street to Columbus avenue, July 23, 1873. L 103, L 153, L 411½, L 412, L 413, L 517, L 518, L 878, L 1448.

- ***Eliot street**, W. Rox., 1802; from Centre street to Pond street; laid out by Selectmen and accepted, Aug. 17, 1802; named, May 9, 1825. L 1043, L 1044.
- Eliot terrace**, Rox., 1896; from Centre street, near corner of Roxbury street, south.
- Eliot's corner**, B., 1703; corner of Orange (now Washington) street and Essex street then so called.
- Eliot's (Samuel) corner**, B., 1784; corner Dock square and Wilson's lane (now Devonshire street) then so called.
- Eliot's pasture**, B.; near Pleasant street and Eliot street in former times.
- ***Elizabeth street**, Dor.; from Norfolk street, south-east, to Astoria street; laid out, July 10, 1896. L 2778.
- ***Elko street**, Bri., 1893; from Cambridge street to Sparhawk street; Sparhawk avenue, laid out as Elko street, Aug. 10, 1893. L 2526.
- Ellery court**, So. B., 1872; from Ellery street, near Swett street, north-east.
- ***Ellery street**, So. B., 1855; from South Bay, north of Dexter street, south-east then west to Boston street; name of Oak street changed to Ellery street, Aug. 7, 1855; laid out from Dexter street to Swett street, March 18, 1876; laid out from Swett street to Boston street, Dec. 24, 1879. L 1186, L 1416.
- Ellery terrace**, So. B., 1896; from Ellery street, near the bend, south-west, formerly called Abbott's place; also Abbott's block.
- ***Ellet street**, Dor.; from Dorchester avenue to Adams street; laid out, Nov. 18, 1896. L 2798.
- ***Ellicott street**, W. Rox., 1856; from Walnut street (later Walnut avenue) to Morton street, near Forest Hills street; laid out as a public street, Dec 15, 1880; now included in Franklin Park. L 1507.
- Ellingwood street**, Rox., 1895; from Lawn street, north-east, then north-west; authority to open given by Street Commissioners, Sept. 19, 1895.
- Ellis corner**, B., 1708; corner of Newbury (now Washington) street and Winter street then so called.
- ***Ellis street**, Rox., 1843; from Thornton street (formerly Edinboro' street) to Hawthorne street; shown in 1849 as extending from Copeland street (now Hawthorne street) to Edinboro' street; accepted, conditionally, from Highland street to Edinboro' street, Sept. 3, 1855; part near Highland street included in Hawthorne street, Dec. 19, 1859.
- Elliston's corner**, B., 1708; corner Cross street and Ann (now North) street then so called.
- Ellits street**, B., 1733; from Charter street to Love lane (now Tileston street); called Unity street, 1795.
- Ellswood street**, W. Rox., 1895; from Baker street, nearly opposite Mt. Vernon street, to Farragut street; authority to open given by Street Commissioners, May 3, 1895.
- Ellsworth place**, W. Rox.; from School street, near Walnut avenue, south-west.
- Ellsworth street**, Dor.; from Dorchester avenue, opposite Leeds street, to Commercial (now Freeport) street.
- ***Ellwood street**, Chsn., 1887; from Putnam street, north-east; Mechanic street laid out as Ellwood street, Sept. 13, 1887. L 2018.
- Elm avenue**, Rox., 1833; from Eustis street (now Dudley street at Blue Hill avenue), west, then north-west, then north-east to Dudley street (at Dearborn street); usually called Elm street and that name changed to Mt. Pleasant avenue, April 21, 1868.

- Elm avenue,** } Dor.; from Adams street to Carruth street.
Elm road, }
- Elm avenue, Bri.;** from Commonwealth avenue to Brookline line; afterwards called Argyle road; now Strathmore road.
- Elm place, B.,** 1850; from 34 Portland street, near Sudbury street, south-west.
- Elm place, Rox.;** Elmwood court from Elmwood street, north-west, so called in 1868 and 1873.
- *Elm street, B.,** 1800; from Hanover street to Union street at Dock square; called Hudson's lane, 1658; Wing's lane, 1708; Elm street, May 26, 1800. L 796.
- Elm street, E. B.;** from Breed street to Washburn avenue (now Walley street); laid out with name of Leyden street, Aug. 23, 1886. L 1938, L 1939.
- Elm street, Rox.,** 1850; from Brookline avenue to Longwood street (Longwood street now in Riverway); later called Pilgrim street, and now included in Longwood avenue.
- Elm street, Rox.,** 1835; road on Mt. Pleasant called Elm street; accepted, provisionally, April 6, 1835; name changed to Mt. Pleasant avenue, April 21, 1868; called also Elm avenue.
- *Elm street, Dor.,** 1851; from Exchange street to Everett street; located, April 7, 1851; accepted, April 21, 1851.
- Elm street, W. Rox.;** from Granite (now Cass) street, near railroad toward Ballanakill avenue (now Johnson street); Elm street now known as Oak avenue.
- *Elm street, W. Rox.,** 1847; from Green street to Sedgwick street (formerly Walker street); part from Revere street to Seaverns avenue laid out as part of Roanoke avenue, on plan dated 1847; on map 1849 part from Green street to Revere street shown as part of Roanoke avenue; Elm street from Revere street to Walker street accepted as a public way, Feb. 3, 1868; again accepted and Selectmen recommended that Hillside avenue (from Revere street to Seaverns avenue), with extension to Green street, be laid out and called Elm street, July 25, 1868.
- *Elm street, Chsn.,** 1810; from High street to Medford street; land for said street, from High street to Bunker Hill street, conveyed to Town by Oliver Holden, July 17, 1810, said street having been laid out some years before by Selectmen; called Washington street prior to this date; continuation from Bunker Hill street to Medford street to be accepted by Town when laid out by owner of land satisfactorily to Selectmen, Sept. 15, 1837. L 2801.
- Elmer place, B.,** 1867; from Salem street, near Prince street, east; part of now included in Hancock school-house yard.
- *Elm Hill avenue, Rox.,** 1852; from Warren street to Seaver street; laid out, June 26, 1882. L 1619, L 1620, L 1666.
- Elm lawn, Dor.,** 1888; from Centre street, north-west, near Dorchester avenue.
- Elm road,** } Dor.; from Adams street to Carruth street.
Elm avenue, }
- Elmhurst street, Dor.,** 1896; from Norfolk street to Southern avenue.
- *Elmira street, Bri.,** 1893; from Murdock street to George street; part of Hill street laid out from Murdock street to George street as Elmira street, Nov. 10, 1893. L 2550.
- *Elmo street, Dor.,** 1871; from Blue Hill avenue to and across Erie avenue (now Erie street), then turning and crossing back to the latter street near N.Y. & N.E. (now New England) R.R.; part from

Blue Hill avenue to Erie avenue crossing "Old Road" laid out as a public street, Oct. 2, 1885; all that part south-east of Erie street laid out, Nov. 29, 1892. L 1888, L 2464.

Elmont street, Dor.; from Waterlow street to Faxon street.

***Elmore street, Rox.,** 1868; from Washington street to Walnut avenue; laid out, Nov. 6, 1879. L 1398.

Elmore park, Rox.; from 17 Elmore street.

Elmwood Court, Rox.; from Elmwood street, north-west, then north-east to Leutman place; sometimes called also Elm place.

Elmwood place, Rox., 1868; from Elmwood street, south-east.

†Elmwood street, Rox., 1868; from Roxbury street to Linden Park street; name of Orange street between Washington (now Roxbury) street and Pearl (now King) street changed to Elmwood street, April 21, 1868; part between Pearl and Clay (now Linden Park) street, now also called Elmwood street, but not public.

Elmwood street, W. Rox.; from Baker street, south, near railroad.

***Elton street, Dor.;** from Dorchester avenue to Sagamore street; laid out, Dec. 28, 1888. L 2108.

***Emerald street, B.,** 1831; from Dover street to Castle street; from Dover street, north, 1831; opened and extended, Dec. 8, 1858; extended to Castle street, Dec. 16, 1870. L 54, L 544, L 545, L 546, L 547, L 566, L 838.

Emerson place, Chsn., 1863; from Hanley street to Warren street extended (probably led to manufactory of Charles Emerson, and was closed on extension of Warren street, or soon after).

Emerson place, Chsn., 1869; way leading from Park street to Charles Emerson's place of business, 42 and 46 Park street; so called by Emerson and authorized by City, Dec. 27, 1869.

***Emerson street, So. B.,** 1864; from Dorchester street crossing East Fourth street at K street to M street and East Fourth street; name of "Old Road" from Third street to Fourth street changed to Emerson street, March 22, 1864; name of Emerson street between M and N streets changed to Fourth street, April 21, 1868; laid out from Third street between G street and H street to M street at junction with Fourth street, Nov. 17, 1868; extended from East Third street to West Second street at Dorchester street, May 7, 1872. L 754, L 1154.

Emery place, B., 1841; from Warrenton street, near Eliot street, east; closed.

Emery street, Dor.; from Washington street, opposite Bailey street, to Milton avenue; laid out with name of Stockton street, Dec. 10, 1886. L 1965.

Emmet place, B., 1873; from 9 Blossom street, near Cambridge street, east.

Emmet place, E.B.; from 17 Everett street near Orleans street, south-west.

Emmet street, So. B.; from East Second street to East Third street between I street and K street.

Emmon's corner, B., 1708; corner of Cambridge (now Court) street and Sudbury street then so called.

Empire street, Bri., 1896; from North Harvard street, near Cambridge street, north-east; authority to open given by Street Commissioners, Nov. 18, 1896.

Endicott court, B., 1843; from 178 Endicott street, near Thacher street, west.

***Endicott street, B.,** 1836; from Hanover street, at junction with Salem street, to Causeway street; part called Mill lane, 1805, and

part Mill Pond street, 1807; known as Pond street, from Hanover street to Charlestown bridge, that is, at Prince street, 1814; name changed to Endicott street, June 13, 1836.

Endicott-street place, B., 1737; from Endicott street, east, near Thacher street, north of Pond-street place; called Douglass court, 1872.

Endicott terrace, Dor.; from 1653 Dorchester avenue.

Endleigh street, Dor.; from northerly part of Savin Hill avenue, north-east.

***Enfield street**, W. Rox., 1880; from Spring Park avenue to Hazel street; part of E street laid out as Enfield street Aug. 28, 1880. L 1477.

***Englewood avenue**, Bri., 1872; from Chestnut Hill avenue (formerly Rockland street), easterly, to former Brookline line (between Strathmore road and Beacon street); accepted, Dec. 27, 1872. L 2383.

Englewood street, Dor.; from Hillsdale street, at Adams street, west.

Emsella terrace, W. Rox., 1896; from Lamartine street to New York, New Haven & Hartford R.R., authority to open given by Street Commissioners, Nov. 11, 1896.

Episcopal avenue, W. Rox.; from Centre street, north-west, near Myrtle street; shown in 1882, but not named, north-east of engine-house, and leading from Centre street towards parsonage of St. John Episcopal Church; now built over.

Ericsson street, Bri., 1895; from Lincoln street to Adams street; authority to open given by Street Commissioners, Nov. 4, 1895.

Ericsson street, Dor., 1856; from Walnut street to Fulton street; laid out, April 5, 1858, at Port Norfolk (Neponset).

Erie avenue, Dor., 1871; from Washington street to McLellan avenue (now McLellan street); laid out with bridge over N. E. R.R. and named Erie street, Aug. 12, 1885. L 1878.

Erie place, W. Rox.; from School street, near Washington street, south-west.

Erie street, B., 1844; from Harrison avenue to Albany street; called Seneca street, 1849.

Erie street, E.B.; proposed street from Cottage street, south-east, to Shirley street (Wood Island).

***Erie street**, So. B., 1868; street laid out 50 feet wide from south-west side of street 550 feet north-east of Mt. Washington avenue to south-east side of flats of Boston Wharf Co., Nov. 17, 1868; not shown on public maps and apparently never built.

***Erie street**, Dor., 1885; from Washington street to McLellan avenue (now McLellan street); Erie avenue laid out as a public street crossing N. E. R.R., with name of Erie street, Aug. 12, 1885; relocated at entrance to Washington street, July 2, 1886. L 1878, L 1897.

Erie terrace, So. B.; from 162 West Fourth street; formerly Humphrey court.

Erin alley, E.B.; from Liverpool street to Border street, near Maverick street.

Esmond street, Dor., 1896; from Blue Hill avenue to Bradshaw street; authority to open given by Street Commissioners, June 16, 1896.

Essex avenue, B.; from Clinton street, near Atlantic avenue, to Richmond street.

Essex court, 1818. } B.; from Essex street, opposite Front street (now
Essex place, 1816, { Harrison avenue); called Essex place, 1816; Essex
court, 1818; Brimmer avenue or place, 1842; included in extension of
Harrison avenue, July 6, 1881. L 1526.

- *Essex place, B.**, 1809; from Essex street, opposite Columbia street, to Tufts street, laid out from Essex street to south of where Tufts street now is, Aug. 17, 1880; part south of Tufts street discontinued, Aug. 26, 1893. L 1475, L 2170.
- *Essex street, B.**, 1708; from Washington street to Federal street; from Newbury (now Washington) street, at Eliot's corner to Windmill point, 1708; called also Auchmuty street, 1775; the eastern end was also called Beach street, 1804; extended from South street, through South-street court, to Federal street, May 5, 1880. L 73, L 624, L 873, L 1450, L 1451, L 1526, L 1598, L 1951, L 1973, L 2126, L 2441, L 2514, L 2515, L 2596, L 2597.
- *Essex street, Chsn.**, 1847; from Hancock square to Rutherford avenue at Middlesex street; formerly part of Canal street; laid out and accepted (from Main street to Middlesex street), Dec. 31, 1855.
- Essex street, Bri.**; from Brighton (now Commonwealth) avenue (at Cottage farm), northerly to Charles River.
- Estes avenue,** } Dor., from Wales place, north-east, near Puritan
Estes place, } avenue.
- Estes place, B.**; from Summer street to Congress street.
- *Etna street, Bri.**, 1893; from North Beacon street to Elmira street; part of Lucas street laid out with name of Etna street, Nov. 10, 1893. L 2551, L 2552.
- *Euclid street, Dor.**, 1872; from Washington street to Withington street, near Norfolk street; laid out, Oct. 21, 1882. L 1656.
- Eugene street, W. Rox.**; from Forest Hills street to Peter Parley street; later called Olmstead street; authority to open under name of Olmstead street, given by Street Commissioners, May 24, 1893.
- Eulalie street, Bri.**, 1896; from Winship street.
- Eulita terrace, Bri.**, 1894; from Union street, near Chestnut Hill avenue, to Eulalie street; authority to open given by Street Commissioners, June 6, 1894.
- Eustis place, Rox.**; from Eustis street, near Harrison avenue, south-west; see plan 1849.
- Eustis place, Rox.**; from 259 Eustis street (directory).
- *Eustis street, Rox.**, 1825; from Washington street to Magazine street; laid out Jan. 19, 1662; shown as "Road to Dorchester" in 1796; formerly extended over present location of Mall street; named from Washington street by burying-ground to Dorchester line, May 9, 1825; name of Eustis street between what is now Dearborn street (opposite Mt. Pleasant avenue) and Dorchester line changed to Dudley street, April 21, 1868; name of Orchard street, between Dearborn street and Adams street, of Proctor street from East (now Hampden) street, north-west, and of Bradford place, from East street, south-east, changed to Eustis street, April 21, 1868; extended to Magazine street, Dec. 15, 1873. L 719, L 909, L 1212.
- Euston street, Rox.**; from Ivy street to St. Mary's street (now closed).
- Eutaw place, E. B.**; from Marion street, near Eutaw street, south-west; called also Marion court.
- *Eutaw street, E. B.**, 1834; from Border street to White street; first projected from White street to Meridian street; extended to Border street, accepted and laid out as public highway, May 31, 1852; accepted at junction of Eutaw street and White street, Nov. 1, 1858. Vol. 31, p. 36. L 42.
- Evandale terrace, Dor.**; from Savin Hill avenue, east.
- *Evans street, Dor.**, 1871; from Milton avenue to Morton street; laid out from Milton avenue to Nelson street, Nov. 23, 1883; extended from Nelson street to Forest Hill avenue (now Morton street), Dec. 1, 1884. L 1740, L 1741, L 1838.

Evelyn avenue, Dor.: from Blue Hill avenue to Norfolk street; laid out as Evelyn street, June 15, 1892. L 2402

***Evelyn street**, Dor., 1892; from Blue Hill avenue to Norfolk street; Evelyn avenue laid out as Evelyn street, June 15, 1892. L 2402.

***Everett avenue**, Dor., 1866; from Stoughton street to Jerome street; formerly from Stoughton street to Hancock street; laid out in part from Stoughton street towards Hancock street, Nov. 9, 1877; part leading from Hancock street to part already public laid out as Jerome street, March 22, 1883. L 1287, L 1695.

Everett court, B.; from 322 North street, near Clark street, north-west; apparently an archway; called also Everett place.

Everett court, E. B.; from 250 Everett street, north-west of, and near Jeffries street, north-east.

Everett court, Chsn.; from 45 Everett street, near Medford street, south-east.

Everett place, B., 1853; from 322 North street, west, near Clark street; called also Everett court, which see.

Everett place, E. B.; from Everett street, north-west of Everett court, north-east.

Everett place, E. B.; from Everett street, near Emmett place.

Everett place, } Bri.; from Vernon (now Raymond) street, near Ever-
Everett square, } ett street, north; laid out with name of Westford
 street, May 18, 1891. L 2293.

Everett square, Bri.; from Westford street, north.

Everett street, B., 1866; Exeter street, so called.

***Everett street**, E. B., 1836; from Orleans street to Jeffries street; order to lay out and accept on fulfilment of certain conditions, April 10, 1854. L 36, L 1139, L 1417.

***Everett street**, Dor., 1851; from Park street to Mill street; shown as an unnamed street in 1841; located, April 7, 1851; the report of Selectmen, recommending acceptance of said street accepted, April 21, 1851.

***Everett street**, W. Rox., 1871; from Elm street to Call streets, called on plan dated 1871, "Everett street formerly Starr's lane;" street from Gordon street at junction with Elm street to Starr (now Call) street, formerly known as Starr lane, named Everett street, Dec. 4, 1877. L 1029.

***Everett street**, Chsn., 1837; from Bunker Hill street, opposite Concord street to Medford street, accepted, March 22, 1841.

***Everett street**, Bri., 1846; from North Beacon street to Western avenue; projected from River street (now Western avenue) to North Beacon street, July 22, 1867; accepted, April 26, 1869.

Everett street, Bri., 1858; from Faneuil street to Bigelow street; laid out by Selectmen, Dec. 18, 1873; known as Dunboy avenue, in 1889; laid out as Dunboy street, Aug. 13, 1889. L 2151.

***Evergreen street**, Rox.; from 89 Day street, north-west; Atwood avenue; laid out as Evergreen street, Aug. 10, 1894. L 2612.

Everton street, Dor., 1876; from Olney street, south-easterly and southerly to Geneva avenue; name of Cottage avenue (from Geneva street) (now avenue) to Green (now Olney) street, changed to Everton street, Dec. 30, 1876.

Everton's corner, B., 1708; Ship (now North) street, near Scarlett's wharf then so called.

Ewer street, So. B., 1849; from West Ninth street to Dorr street.

Exchange court, Chsn.; from Main street, south-west, between Frothingham avenue and Dunstable street.

Exchange lane, B., 1809; from King (now State) street to Dock square; called Shrimpton's lane, 1708; also sometimes Royal Exchange lane; Exchange lane, 1800; Exchange street, 1870.

***Exchange place**, B., 1873; from Congress street to Kilby street; name of Lindall street, changed to Exchange place, Oct. 14, 1873. L 203, L 822, L 853.

Exchange place, B., 1854; from Devonshire street to Congress square; made part of Congress square, Oct. 14, 1873. L 497.

Exchange square, B., 1818; rear of Congress street and State street; called Half-square court, 1708; Salter's court, 1808; Exchange square, 1818; Congress square, 1821.

***Exchange street**, B., 1817; from State street to Dock square; called Shrimpton's lane, 1708; Royal Exchange lane sometime previous to 1800; Exchange lane, 1800; Exchange street, 1817.

Exchange street, Dor., 1853; from Park street, south-east, parallel with O. C. (now N. Y., N. H. & H.) R.R., nearly to Tenean creek. L 1182.

Exeter court, Chsn.; from Sullivan street, near Bartlett street, south-east, with branch north-east to Exeter place.

***Exeter place**, B., 1848; from Harrison avenue to Chauncey street; from Chauncey street, opposite Rowe place, 1848; accepted, May 7, 1849.

Exeter place, Chsn.; from Sullivan street, near Bartlett street, south-east, parallel with Exeter court.

***Exeter street**, B., 1863; from Beacon street to Huntington avenue; called Avenue Four in 1866; Exeter street in 1863; then Everett street; Exeter street, 1866; laid out as a public street from Beacon street to southerly side of Commonwealth avenue, July 24, 1873; from Newbury street to Commonwealth avenue, Dec. 6, 1875; from Newbury street to Boylston street, Oct. 7, 1884; from Boylston street to Huntington avenue, July 27, 1886. L 862, L 1111, L 1825, L 1923.

Exeter street, B., 1809; from Pond (now Bedford) street to Essex street; see directory, 1809, and accompanying map upon which the south end of Exeter street coincides with the south end of the present Chauncey street, and the street extends in a nearly straight line about to the site of the Latin School-house; on Hale's map, 1820, the north end coincides with the present line of Chauncey street; called Rowe place, 1825; Rowe street, 1837; Chauncey street, 1856.

Export street, B., 1868; from Broad street, near India square to India street; shown on maps of 1848, but not then named.

***F street**, So. B., 1804; from West Eighth street to low-water mark; laid out and named, Feb. 27, 1805; extended to Eighth street, Nov. 20, 1855; laid out from Eighth street to low-water mark, Nov. 17, 1868. L 53, L 225.

F street, Dor., 1892; from Stoughton street to Willis (formerly E) street; authority to open given by Street Commissioners, May 4, 1892; later called Bakersfield street.

***Fabin street**, B., 1839; from Newland street to Ivanhoe street; laid out, May 13, 1871. L 477, L 539, L 605.

Fabyan street, Dor., 1894; from Blue Hill avenue to Harvard street; authority to open given by Street Commissioners, Nov. 8, 1894.

Factory street, Rox., 1839; from Tremont street to Stony brook; Vernon street extended through, May 16, 1842, but shown on plan as Factory street as late as 1866. L 440.

***Fairbanks street**, Bri., 1892; from Washington street to Faneuil street; laid out, Oct. 19, 1892. L 2448.

***Fairbury street**, Rox., 1894; from Blue Hill avenue to Rand street; laid out, Dec. 14, 1894. L 2662.

- Fairfax street**, Dor.; from Carruth street, north-east, between Minot street and Beaumont street.
- Fairfield place**, B., 1853; from Harris street, north.
- *Fairfield street**, B., 1863; from Beacon street to Boylston street; from Beacon street to Commonwealth avenue, 1871; same laid out, May 15, 1874; extended to Boylston street, Sept. 29, 1876; also called Sixth street. L 862, L 929, L 1167.
- Fairhaven street**, Rox.; from Brookline avenue to Audubon road, parallel with Brookline Branch R.R. (Proposed.)
- *Fairland street**, Rox., 1846; from Mt. Pleasant avenue to Moreland street; laid out, Nov. 18, 1878. L 1332.
- Fairmount street**, Dor.; from Washington street to Forest Hill avenue (now Morton street).
- Fairmount street**, W. Rox.; from Walnut avenue, south-east, near Scarborough street; also called Fairmount avenue; now included in Franklin Park.
- Fairmount avenue**, W. Rox., 1860; from Walnut avenue, south-east, near Scarborough street; also called Fairmount street; now included in Franklin Park.
- Fairview street**, Dor.; from Train street to Frost avenue.
- †**Fairview street**, W. Rox.; from South street to Mendum street; laid out from South street to beyond Proctor street, Nov. 12, 1886. L 1963.
- Fairweather street**, B.; from Harrison avenue, opposite Randall street to Reed street; authority to open given by Street Commissioners, Oct. 4, 1895.
- Fairwether's corner**, B., 1708; corner School street and Tremont street then so called.
- *Falcon street**, E. B.; from Border street to Glendon street; laid out from Meridian street to Border street, Aug. 28, 1880; from Glendon street to Putnam street, Oct. 15, 1888; and from Meridian street to Putnam street, Aug. 25, 1891. Vol. 31, p. 23. L 1479, L 2097, L 2328, L 2329.
- *Falmouth street**, B. and Rox., 1878; from Massachusetts avenue to West Newton street; laid out from Camden (now Gainsborough) street to Dalton street, Oct. 7, 1878; extended from Dalton street to West Newton street, June 9, 1882; extended south from Gainsborough street, May 7, 1889; name of part south of West Chester park (now Massachusetts avenue) changed to St. Stephen street, March 1, 1892. L 1296, L 1322, L 1615, L 2129.
- *Faneuil street**, Bri., 1840; from Market street to Washington street, at Oak square; named, June 15, 1840. L 1632, L 1884.
- *Faneuil Hall square**, B., 1855; from Merchants' row, on north and west sides of Faneuil Hall, to Merchants' row, on south side; in 1708 the north side was called the Fish Market; the south, the Corn Market, and the west, the Sheep Market; the north, south, and west sides of Faneuil Hall called Market square, about 1784; from Merchants' row, on north side of Faneuil Hall, to Merchants' row, on south side, named Faneuil Hall square, April 25, 1855. Vol. 31, p 61. L 242.
- Faneuil's corner**, B., 1732; corner King (now State) street and Merchants' row then so called.
- Fargo street**, So. B.; proposed street from the proposed extension of B street to the proposed extension of E street, on the so-called Commonwealth flats.
- Farmgate street**, Rox.; from Fisher avenue to Parker Hill avenue.

- †**Farnham street**, Rox., 1867; from Hampden street, south-east, crossing Reed (now Reading) street and Gerard street; part from East (now Hampden) street to Reed street; formerly called Foundry street and name changed to Farnham street, April 20, 1869.
- Farnsworth street**, So. B.; from Congress street to N. E. R.R. piers.
- Farnum place**, Rox.; from Rogers avenue, west, near Ruggles street.
- Farquhar street**, W. Rox.; from Centre street, near Weld street, to South street.
- Farragut street**, W. Rox., 1895; from Baker street, south-west, opposite Keith street; authority to open given by Street Commissioners, May 3, 1895.
- Farragut street**, E. B. (Breed's Island); from Washburn avenue to Riverside avenue; shown on atlas, 1892.
- Farrell place**, So. B.; from West First street, south-west, between F street and Dorchester street.
- ***Farrington avenue**, Bri., 1879; from Harvard avenue to Linden street; laid out, Sept 6, 1879. L 1376.
- Farrington avenue**, W. Rox., 1874; } south-west from and parallel with
Farrington street, W. Rox., 1872; } Beech street, from a point south-east of Anawan avenue, crossing Anawan avenue and Oak (now Kenneth) street to Clement avenue; called Farrington street, 1872; called Farrington avenue, 1874.
- Farrington street**, W. Rox.; from Beech street to Rockland street, south-east of and parallel with Washington street; sometimes called Farrington avenue.
- Farrington street**, W. Rox.; from Park street to Bellevue street; laid out as Rutledge street, June 15, 1877. L 1243.
- Farrington street**, E. B. (Breed's Island); from Orient avenue to Walley street.
- Farwell avenue**, B.; from Poplar street, near Spring street, to Pike's alley; the westerly end of Pike's alley, 1879.
- ***Faulkner street**, Dor., 1887; from Dorchester avenue to Freeman street; laid out, July 28, 1887; formerly Foster street. L 2006.
- Favre street**, Dor., 1872; from Hersey street, crossing Oakland street.
- Faxon place**, Rox., 1869; from Tremont street, north-east, near Parker street; laid out, widened and extended to Smith street, with the name of Faxon street, Aug. 25, 1877. L 1263.
- ***Faxon street**, Rox., 1877; from Tremont street to Smith street; Faxon place from Tremont street, north-easterly, laid out, widened and extended to Smith street, with name of Faxon street, Aug. 25, 1877. L 1263.
- Faxon street**, E. B. (Breed's Island); from Butler avenue to Riverside avenue; Bromley's atlas, 1892.
- ***Fay street**, B., 1877; from Dover street, south, then east, to Harrison avenue; Granite place, 1844-48; Dover place 1848; Dover-street place, 1861; laid out as Fay street, Nov. 9, 1877. L 26, L 1288.
- Fayette avenue**, B., 1825; from Prince street to Pond (now Endicott) street; called La Fayette avenue, 1828.
- Fayette court**, B., 1825; from Washington street, west, south of Avery street.
- Fayette place**, B., 1824; block of houses on Tremont street, between West street and Boylston street; called Colonnade row some time after 1824, but without official sanction.
- ***Fayette street**, B., 1824; from Pleasant street to Ferdinand street; South Allen street called Fayette street, 1824; laid out from Pleasant street to the water, May 29, 1848. L 69½, L 387, L 391, L 392, L 2278.

- Federal court, B.**, 1817; from Union and Hanover streets to the Mills; called North Federal court in 1817; discontinued in 1857, and closed and built over in 1860.
- Federal court, B.**, 1817; from Federal street, opposite Williams (now Matthews) street to Milton place; called South Federal court in 1817.
- Federal place, Bri.**, 1850; from Federal street, west, near East street; also called Federal-street place.
- *Federal street, B. and So. B.**, 1788; from Milk street to Federal-street bridge; called Long lane from Milk street to Cow lane (now High street), 1708; named Federal street, 1788; extended to Purchase street, May 5, 1836; extended by the foot of Purchase street to the South Boston North Free Bridge including Sea street, April 30, 1856; part of Dorchester avenue, formerly called Turnpike street, from Federal-street bridge to line between Boston and Dorchester, named Federal street, Feb. 13, 1866; laid out from bridge to Dorchester avenue and Sea street, Nov. 17, 1868; same part renamed Dorchester avenue, March 1, 1870. Vol. 31, pp. 12, 13, 28, 54, 100, 101. L 32, L 44, L 55, L 71, L 79, L 108, L 129, L 135, L 243, L 339, L 357, L 358, L 359, L 360, L 364, L 446, L 451, L 474, L 834, L 835, L 847, L 848, L 849, L 853, L 2296.
- *Federal-street bridge, B. and So. B.**; from Federal (formerly Sea) street to Turnpike street on Dorchester avenue, South Boston; called Sea street, or South Boston North Free Bridge, when opened in 1828. L 1599.
- Federal-street place, B.**; from Federal street, near corner of Kneeland street, south-west.
- Feiling place, Rox.**; from Tremont street, south, between Sterling street and Weston street.
- Fellows court, B. and Rox.**; north-west from Fellows street, between Northampton street and Lenox street.
- Fellows place, Rox.**; from Fellows street, north-west, between Hunne- man street and Randall street. L 1195, L 1491.
- †Fellows street, Rox.**, 1849; from Northampton street to Webber street; laid out from Northampton street to Hunneman street, Nov. 23, 1874. L 984, L 985, L 1195, L 1491.
- Felton place, Rox.**; from Washington street, south-east, between Palmer street and Eustis street.
- Fenelon street, Rox.**, 1896; from Washington street to Merrill street; Burbank street laid out under name of Fenelon street, June 2, 1896. L 2771.
- Fenner street, Rox.**, 1893; from Rochdale street to Cardington street.
- Fenno place, Dor.**; from Dorchester avenue, east, near Adams street.
- *Fenno street, Rox.**, 1894; from Buena Vista street to Rockland street; authority to open given by Street Commissioners, May 10, 1894; laid out, June 11, 1895. L 2705.
- Fenton place, Dor.**, 1870; from Fenton street to Greenwich place.
- Fenton street, Dor.**, 1870; from Duncan street to Clayton street.
- Fenway, Rox.**; the way bordering the Back Bay Fens upon the east and south extending from Boylston street to Riverway; so named, Dec. 30, 1887.
- *Fenwick street, Rox.**, 1845; from Circuit street to Hulbert street; laid out in part upon a private way known as Circuit place, Jan. 14, 1884. L 1752.
- Fenwick road, Bri.**, 1891; from Chiswick road to Strathmore road; authority to open given by Street Commissioners, Oct. 1, 1891.

- *Ferdinand street**, B., 1863; from Columbus avenue to Tremont street; laid out from Chandler street to Columbus avenue, Oct. 26, 1869. L 387, L 391, L 392, L 393, L 394, L 485, L 2279.
- Fern place**, Bri.; on Rockland street and High-school place; sometimes called Academy Hill.
- *Fern street**, Bri.; from Franklin street to Holton (formerly Pleasant) street; laid out Aug. 30, 1887. L 2014.
- Ferndale street**, Dor., 1896; from Norfolk street, opposite Laurel street.
- *Ferrin street**, Chsn., 1845; from Bunker Hill street to Chelsea street; laid out from Bunker Hill street to Edgeworth street, June 6, 1853; south-east of Edgeworth street, June 2, 1878; extended to Chelsea street, June 16, 1884. L 1294, L 1784.
- Ferry court**, B., 1857; from Ferry street.
- *Ferry street**, B., 1842; from North street to Fulton street; called Persia street, 1831; laid out and named Ferry street, Aug. 1, 1842.
- Ferry way**, B., 1708; from Hudson's point to the Mill stream; from the west end of Lyn street round the beach to Ferry wharf, 1732; to Charlestown ferry, 1784; made part of Lynn street, 1784; now part of Commercial street.
- Fessenden court**, E. B.; from Webster street, north, between Cottage street and Orleans street; also called Fessenden place.
- Fessenden place**, E. B., from Webster street, north, between Orleans street and Cottage street; also called Fessenden court.
- Fessenden street**, Dor.; from Norfolk street to Blue Hill avenue.
- Fessenden street**, W. Rox.; from Chestnut avenue, west, near Green street.
- Field court** (or **Field's court**), Dor.; from Willow court, north-easterly.
- *Field street**, Rox., 1887; from Ruggles street to Madison court; formerly Russell court; laid out with the name of Field street, Jan. 5, 1887. L 1971.
- *Field's corner**, Dor.; junction of Dorchester avenue and Adams street.
- Fifth street**, Bri., 1882; from Devon street to Texas street; now in Brighton cattle yards.
- *Fifth street**, So. B., 1805; laid out parallel with Broadway, and named Feb. 27, 1805; laid out from A street to Dorchester street, and from H street to low-water mark, Nov. 17, 1868; from G street to H street, Dec. 30, 1869; called East and West Fifth streets, Feb. 18, 1873. L 8, L 509.
- Fifth street**, Chsn., 1838; from Lynde street to the railroad; laid out from Lynde street to Front street, Nov. 13, 1860; discontinued and part taken by the Eastern (now B. & M.) R.R. by authority of an act of the Legislature.
- Fifth-street place**, So. B.; from West Fifth street, south-west, between Dorchester avenue and N. E. R.R.; also called West Fifth-street place.
- Fillmore court**, B., 1857; from High-street place; partly built over, and the remainder called High-street place.
- Fillmore place**, B., 1859; from Hanover street, east, near Commercial street; now built over.
- *First street**, So. B., 1805; laid out parallel with Broadway and named, Feb. 27, 1805; laid out north-west from Dorchester street, about 530 feet, Oct. 5, 1840; completed from K street to a point 500 feet west therefrom, Sept. 14, 1847; accepted 500 feet from Dorchester street, towards F street, previous to May 1, 1848; completed from a point 538 feet north-west from Dorchester street to E street, Sept. 16, 1850; portions between A street and B street and between E

street and C street completed, Sept. 15, 1851; laid out from Foundry street to Dorchester street, and from H street to low-water mark, Nov. 17, 1868; called East and West First streets, Feb. 18, 1873. L 122, L 126, L 128, L 215, L 228, L 229.

First street, Chsn., 1838; from junction Austin street and Lynde street to the railroad; laid out from Lynde street to Front street, Feb. 14, 1848; discontinued as public street and part taken by the Eastern (now B. & M.) R.R., by authority of an act of the Legislature.

Fish lane, B., 1789; from the Town dock to Ann (now North) street; called Roebuck alley, or passage, 1815; included in Merchant's row, 1825.

Fish Market, B., 1708; north side of Dock square; part of Market square in 1784; now part of Faneuil Hall square.

***Fish street**, B., 1708; from Cross street to Fleet street; laid out, Feb. 27, 1730; from Cross street to Ship (now Commercial) street, 1817; made part of Ann (now North) street, July 6, 1824; North street, 1853.

Fish street, Chsn.; now Charles River avenue.

†**Fisher avenue**, Rox., 1868; from Parker street to Parker Hill avenue; from Parker street to High street (now Parker Hill avenue) called Prospect street, 1849; laid out from Parker street to Hayden (formerly Short) street, June 28, 1886. L 1915, L 1916.

Fisher's court, B., 1846; from Washington street, east; now closed.

Fitche's alley, B., 1796; from King (now State) street to Corn market (now Faneuil Hall square); called Pierce's alley, 1708; Change alley, 1788; Fitche's alley, 1796; Flagg alley, 1828; Change avenue, 1841.

Fitche's corner, B., 1708; corner Union street and Marshall's lane then so called.

Fitche's corner, (Capt.), B., 1708; corner King (now State) street and Peirce's alley (now Change avenue) then so called.

Fitche's lane, B., 1788; from Cambridge (now Court) street to Southack's court (now Howard street); called Stoddard's alley, or lane, in 1722, and again in 1800; Stoddard street in 1829.

Fitzgerald court, Chsn.; from Rutherford avenue near corner of Chapman street, north-east.

Flagg alley, B., 1828; from State street to Market square (now Faneuil Hall square); called Pierce's alley, 1708; Change alley, 1788; Fitche's alley, 1796; Flagg alley, 1828; Change avenue, 1841.

Flagg street, B., 1895; from Washington street to Reed street; Flagg street laid out over Walnut place, to Reed street, June 5, 1895. L 2703.

Flagg street, Bri.; from Lake street, east, opposite Kenrick street.

***Fleet street**, B., 1708; from Hanover street to Commercial street; from Middle (now Hanover) street to the water, 1708; from the Universal-Meeting House to Fish (now Commercial) street, 1817; portion from Ann (now North) street to Hanover street, once called Scarlett's wharf. L 1947.

Fleet's corner, B., 1800; corner Cornhill (now Washington street) and Water street then so called.

Fletcher street, W. Rox.: from South street, opposite Dudley avenue to Montclair avenue; authority to open southwardly from Centre street, given by Street Commissioners, July 30, 1896.

Flint place, So. B.; from East Ninth street, north, between L street and M street; called East Ninth-street place in Bromley's atlas of 1891.

***Flint street**, Dor., 1889; from Norfolk street to N. E. R.R.; laid out, June 11, 1889. L 2136.

- Flora street**, W. Rox., 1893; from Kenneth street to Clement avenue; authority to open given by Street Commissioners, Nov. 17, 1893.
- Floral place**, B., 1867; from Washington street, west, between Warrenton street and Common street.
- *Florence street**, B., 1842; from Washington street to Harrison avenue; called Cobb street, 1840; name changed to Florence street, 1842; accepted, conditionally, April 17, 1843; laid out, Oct. 21, 1878. L 1823.
- †**Florence street**, W. Rox., 1848; from Poplar street to Mt. Hope station, and from Hyde Park avenue to Bourne street; part from railroad to Bourne street also called Stony Brook avenue; part adjoining west side of location of B. & P. (now N. Y., N. H. & H.) R.R., near Blakemore street, at Mt. Hope, discontinued, May 26, 1884. L 1467, L 1780.
- Flounder alley** (or lane), B., 1708; from the foot of Summer street, north-east, by the water; from Bull's wharf to Adams' wharf; thence west to Belcher's lane, 1722; a portion included in Broad street, 1833; the remainder discontinued, 1856. L 69.
- *Follen street**, B., 1882; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 27, 1882. L 1680.
- Folsom avenue**, Rox.; from Parker street, west, between Hillside street and Alleghany street.
- Folsom place**, Rox., 1868; from Conant street to end of Whitney street; laid out as part of Whitney street, July 15, 1876. L 1160.
- Folsom street**, W. Rox., 1873; from Neponset avenue to Mt. Hope street.
- *Folsom street**, Dor., 1884; from Dudley street, south-west, between Howard avenue and Magnolia street; Woodward park laid out with name of Folsom street, Aug. 5, 1884. L 1798.
- Forbes avenue or place**, W. Rox.; from Chestnut avenue to end of Bowe street; formerly a part of Bowe street; laid out as part of Forbes street, July 28, 1890. L 2253.
- *Forbes street**, Rox. and W. Rox., 1890; from Centre street to Chestnut avenue; Bowe street and a part of Forbes place laid out as Forbes street, July 28, 1890. L 2174, L 2252, L 2253.
- *Ford street**, E. B. (Breed's Island), 1886; from Saratoga street to Breed street; laid out, Aug. 23, 1886. L 1931.
- †**Ford's Run**, B., 1854; from South Market street to Clinton street; 65 feet of north end laid out, July, 1854; from South Market street to Clinton street, 1860.
- Fore street**, B., 1789; probably Fish street, so called; the earliest name by which what is now North street was called; was also at one time called Front street.
- Forest avenue**, Rox., 1850; from Warren street, east, between Rockville place and Montrose street; included in Whiting street, March 19, 1884. L 1762.
- Forest place**, Rox.; from Forest street, north-east.
- Forest place**, Chsn.; from Eden street, north-west, near Russell street.
- *Forest street**, Rox., 1868; from 14 to 144 Mt. Pleasant avenue; formerly called Chestnut street, and as such laid out, March 11, 1840; named Forest street, April 21, 1868. L 2029.
- *Forest Hill avenue**, Dor. and W. Rox., 1852; from River street (Lower Mills) to Norfolk street; laid out from northerly end of Neponset street, crossing Norfolk street, through Madison street, crossing Back (now Harvard) street, to a point on Canterbury street opposite Morton street, August, 1852; part from Norfolk street to Canterbury street called Madison street and Austin street; name changed to Morton street, March 1, 1888. L 823, L 1667.

Forest Hills avenue, W. Rox.; from Morton street to the cemetery; also called Glenway.

***Forest Hills street**, W. Rox., 1848; from Washington street to Morton street; called Curtis street previous to 1848; earlier called Jube's lane or road leading to Rocky swamp, or Rocky Swamp road. This, with Amory (formerly School) street in Roxbury and West Roxbury, formed a continuous road sometimes called the road leading to Gamblin's end, a part of which was discontinued or abandoned at the time of the laying out, in 1804, of the Norfolk and Bristol turnpike (later Shawmut avenue, now Washington street); named Forest Hill street, June 26, 1848; part of, from Washington street to Scarboro' street, named Morton street, Dec. 5, 1859; Forest Hill street, named Forest Hills street, Nov. 5, 1860. L 970.

Forster's Court, Chsn.; from Union street, south-west, between Main street and Rutherford avenue; also called Foster's court.

Fort avenue, B., 1847; from Harrison avenue, north-west, between Fay street and Ashland place.

***Fort avenue**, Rox., 1825; from Highland street to Centre street; laid out, Nov. 4, 1875. L 1102, L 1103, L 1104.

Fort Field, B.; an early name for Fort Hill.

Fort Hill, B., 1632; an eminence in the eastern part of the town, previously Corn Hill and Fort Field, levelled, 1868. L 922

Fort street, B.; an early name for Milk street.

***Fort Hill square**, B., 1875; between Oliver street and High street, where Fort Hill formerly stood; Washington place, 1808; Washington square, 1837; park in the centre of Washington square, between Oliver street and High street, named Fort Hill square, Dec. 15, 1875. L 348, L 626.

Forty-foot passage, B., 1800; Allen's lane or street, along the front of the ropewalks to Blanchard's wharf then so called.

***Foss street**, Chsn., 1869; from Chelsea street to Water street; laid out and named, Aug. 18, 1869.

Foster court, B., 1826; from Tremont street, west, between Boylston street, and Eliot street; called Foster place, or South Foster place, 1831; Van Rensselaer place, 1852.

Foster court, B.; from Foster street.

Foster place, B., 1823; from Foster street, south-east, near Charter street; named Foster place, July 8, 1829.

***Foster street**, B., 1800; from Charter street to Commercial street; called Sliding alley, 1708; Foster lane, 1741; Fuller street, 1795; Brewer's Hill, 1800; Foster street, 1800; from Lynn street to low-water mark staked out by Town, May 22, 1807; same part confirmed as a street, in continuation of Foster's lane, March 17, 1819; north end of Foster street, from Commercial street to the dock, discontinued, Jan. 3, 1856. L 1389.

Foster street, Dor.; from Dorchester avenue to Freeman street; laid out, with name of Faulkner street, July 28, 1887. L 2006.

Foster street, Bri., 1848; from Commonwealth avenue, crossing Washington street to Surrey street; Proprietors Way 1814; laid out as Seaver lane by Selectmen, Aug. 1, 1842; named Foster street, Nov. 20, 1848; laid out (straightened, etc.), April 29, 1853; accepted Sept. 5, 1853; extended from Washington street to Surrey street, Sept. 4, 1884. L 1017, L 1018, L 1019, L 1818, L 2280.

Foster's lane, B., 1732; from North street to Ship (now Commercial) street; named 1732; called Clark street in 1788 and 1789, 1795 and 1800, and thereafter.

Foster-street slip, B., 1819; from Commercial street to the water; discontinued in 1856.

Foundry avenue, So. B.; from Foundry street, east, between West Fourth street and Swan street; discontinued and taken into the property of the O. C. (now N. Y., N. H. & H.) R.R. by authority of an act of the Legislature of 1893.

Foundry square, So. B.; between Swan, Foundry, and West Fourth streets, entered from southerly side of West Fourth street; discontinued and taken into property of the O. C. (now N. Y., N. H. & H.) R.R. by authority of an act of the Legislature of 1893.

***Foundry street**, Rox., 1865; from East (now Hampden) street to Reed (now Reading) street; accepted, Dec. 30, 1867; name changed to Farnham street, April 20, 1869.

***Foundry street**, So. B., 1854; from Dorchester avenue to West Fourth street; formerly from Dorchester avenue, south, then curving east to Dorchester avenue again; accepted from Fourth (now West Fourth) street to Swan street, Dec. 18, 1854; accepted and laid out from Swan street to about 150 feet from southerly line of Sixth (now West Sixth) street, Nov. 20, 1855; laid out from Federal street (now Dorchester avenue) to O. C. (now N. Y., N. H. & H.) R.R.; Nov. 17, 1868; name of Foundry street extended over street leading from Fourth (now West Fourth) street, to Dorchester avenue, near Sixth (now West Sixth) street, March 11, 1873; part south of West Fourth street discontinued and taken into property of O. C. (now N. Y., N. H. & H.) R.R., by authority of an act of the Legislature of 1893. L 39, L 336, L 355.

Fountain place, Rox., 1872; from Fountain street, easterly.

Fountain place, B., 1853; from Hanover street, west, near Charter street.

Fountain square, Rox., 1852; public square bounded by Walnut avenue, and Townsend, Harold, and Munroe streets; laid out and dedicated to public use, Jan. 26, 1852.

Fountain square, Rox.; from Fountain street, westerly.

***Fountain street**, Rox., 1845; from Circuit street to Regent street, laid out, April 2, 1875. L 1032.

Fountain Hill place (or Fountain Hill), Rox.; from Fountain street, easterly.

***Fourth street**, So. B., 1805; laid out parallel with Broadway, and named, Feb. 27, 1805; finished, acceptance and laying out, April 25, 1831; name of Emerson street, between M street and N street, changed to Fourth street, April 21, 1868; laid out from Dover-street bridge to Dorchester street, and thence to low-water mark, Nov. 17, 1868; called East and West Fourth streets, Feb. 18, 1873. L 8, L 145, L 258, L 604, L 779.

Fourth street, Chsn., 1838; from Lynde street to Front street; one of the boundaries of Lynde street, mentioned as "Union street, otherwise called Fourth street," but shown on plan of Eastern R.R. property in 1874; part taken by the Eastern (now B. & M.) R.R., by authority of an act of the Legislature.

Fourth street, Bri., 1882; from Devon street to Texas street; now in Brighton cattle yards.

Fourth-street court, So. B.; from West Fourth street, north-easterly, near B street.

Fourth-street place, So. B.; from East Fourth street, southerly, near G street.

Fowler street, Dor., 1894; from Glenway street to Greenwood street; authority to open given by Street Commissioners, Oct. 24, 1894.

Fox avenue, Dor., 1861; from Adams street to Percival avenue (now Percival street); laid out with the name of Fox street, March 21, 1888. L 2061.

- *Fox street**, Dor., 1888; from Adams street to Percival street (formerly Percival avenue); formerly Fox avenue; laid out, March 21, 1888. L 2061.
- Fox hill**, B., 1722; on the Back Bay shore, about opposite the centre of the Common; levelled.
- Francis place**, B., 1851; from Hanover street, near Cross street.
- *Francis street**, Rox., 1833; from Tremont street, at its junction with Huntington avenue, crossing Brookline avenue, to Bellevue street; laid out north-west of Brookline avenue, from said avenue over a way called Longwood street, to the angle therein at which it turned towards Longwood avenue, by the Street Commissioners, Oct. 19, 1874; part north-west of Bellevue street taken into the Riverway. L 977, L 2096, L 2213
- Francis street**, Rox.; shown on old plans as a 50-foot street, parallel with and 390 feet east of Parker street, running from an unnamed street 40 feet wide to another unnamed street near the canal, nearly in line of Camden street extended.
- Francis street**, W. Rox.; from Mt. Vernon street, between Temple street and Baker street, to Keith street.
- Frankfort street**, E. B., 1893; from Prescott street to the Parkway; authority to open given by Street Commissioners, April 21, 1893.
- Frankfort street**, E. B., 1845; from Maverick street to Bennington street, at its junction with Swift street.
- *Franklin avenue**, B., 1817; from Court street to Brattle street; called Brattle street, 1708; Brattle's alley or lane, 1722; Dassett's or Dorsett's alley, 1789; from the court-house to Brattle square called Franklin avenue, 1817.
- Franklin avenue**, W. Rox., 1851; from Centre street, opposite the Arnold Arboretum, north-west, then curving northerly; called "Franklin avenue or Allendale street," on plan dated 1857. L 2095.
- Franklin avenue**, W. Rox., 1870; from Spring street, south-east, near Charles river; called also Franklin street; laid out as Billings street, Sept. 28, 1888. L 2095.
- Franklin court**, Dor.; from Norfolk avenue, near East Cottage street, north-easterly.
- Franklin Park**, W. Rox.; between Seaver street and Morton street, and Blue Hill avenue and Canterbury street and Walnut avenue and Forest Hills street.
- Franklin Park**, W. Rox., 1870; parallel with and south-east of Spring street, near Charles River, and bounded by Franklin (now Billings), Prospect, Washington and Hamilton streets.
- Franklin Park terrace**, W. Rox., 1893; from Walnut avenue, near and north of Peter Parley street; authority to open given by Street Commissioners, May 24, 1893; called Park lane, 1894; laid out as Park Lane street, Nov. 23, 1895.
- Franklin place**, B., 1792; from Franklin street to Federal street; one side of the present Franklin street, the other side being originally called "The Tontine Crescent;" from Bishop's alley (now Hawley street) to Federal street, 1800; made part of Franklin street, Sept. 21, 1858. L 139.
- Franklin place**, Rox., 1848; from Tremont street, north-west, between Cunard street and Milford place (now Sarsfield street); laid out as Walpole street, Nov. 16, 1881. L 1570.
- Franklin place**, W. Rox., from Washington street near Stony brook, south, to N. Y., N. H. & H. R.R.
- Franklin square**, B., 1845; open space bounded by Washington, East Brookline, James and East Newton streets; laid out, 1834; name of

Shawmut square changed to Franklin square, April 21, 1845; called Shawmut square, 1847-49; Franklin square, 1849.

Franklin square, Bri.; square at junction of Franklin street and Fern street.

***Franklin street**, B., 1798; from Washington street to India street; called Vincent's lane, from Marlboro' (now Washington) street to Bishop's alley (now Hawley street), 1777; called Franklin street, 1798, and part from Bishop's alley to Federal street laid out the same year with an oval enclosure 300 feet long in the centre, on one side of which was Franklin place, and on the other the Tontine Crescent, a block of sixteen dwelling houses; confirmed as a public street, Sept. 15, 1834; Franklin place and enclosure made part of Franklin street, Sept. 21, 1858; part formerly called Franklin place, from Hawley street to New Devonshire street including centre of Franklin street, heretofore enclosed, accepted, May 31, 1859; extended to Pearl street, at Sturgis street, April 18, 1873; name of Sturgis street, from Oliver street to Broad street, changed to Franklin street, Sept. 30, 1873; the part called Sturgis street included a part of Hamilton court and the whole of Sturgis place and Baker's alley; Bread street, from Broad street to India street, changed to Franklin street, March 1, 1896. Vol. 31, pp. 31, 100. L 101, L 133, L 139, L 163, L 220, L 459, L 460, L 461, L 462, L 600, L 834, L 835, L 851, L 853.

***Franklin street**, Chsn., 1824; from Main street to High street; Bolton street, from Main street to High street, accepted, May 5, 1824; and "now known as Franklin street" (1824), but no record of change of name.

***Franklin street**, Dor., 1845; from Roxbury line to Cottage (now East Cottage) street; accepted, conditionally, May 2, 1853; laid out by County Commissioners, July, 1854; name changed to Norfolk avenue, being a continuation of same, Dec. 21, 1875.

Franklin street, Dor., 1854; from Fulton street to Taylor street.

Franklin street, Dor., 1850; from Adams street to Milton street; Malvern street, supposed to have been so called.

***Franklin street**, Bri., 1847; from Cambridge street to North Harvard street; known as "Road to Roxbury" in 1815; laid out from Cambridge street to Harvard street (now North Harvard street), Jan. 15, 1855; accepted and named, May 28, 1855; laid out from Central or Centre (now Lincoln) street to Cambridge street, opposite South Harvard street (now Harvard avenue), in 1859; accepted, Oct. 22, 1879; part between Lincoln street and Cambridge street named Lincoln street, being a continuation of the same, April 25, 1876; footway over B. & A. R.R., connecting northerly and southerly parts of street laid out, July 10, 1883; footway under B. & A. R.R. connecting same parts of street laid out, April 21, 1894; overhead bridge taken down, 1894. L 983, L 1718, L 2592.

Franklin street, W. Rox., 1870; from Spring street, south-east, near Charles River; called also Franklin avenue; laid out as Billings street, Sept. 28, 1888. L 2095.

Frank's court, B., 1874; From South May (now Savoy) street, south.

Frary's corner, B., 1708; corner Orange (now Washington) street and Frog lane (now Boylston street) then so called.

Fred street, Chsn., 1870; from Sherman street, crossing Arlington avenue, to George street, near and parallel with Somerville line.

***Frederick street**, So. B., 1875; from West Ninth street, south-west, nearly to O. C. (now N. Y., N. H. & H.) R.R.; laid out, Oct. 7, 1875. L 1079.

Frederick terrace, Dor., 1896; from Hartford street, opposite Cunningham street.

- *Frederika street**, Dor., 1884; from Adams street to Minot (sometimes called New Minot) street; laid out, Dec. 24, 1884. L 1841.
- Fredonia street**, Dor.; from Westville street, south-east, between Iowa street and Head street.
- Freedom court**, Chsn.; from Main street, westerly, near Middlesex street.
- Freeland street**, Dor.; from Standard street, near Manchester street, north-east.
- Freeman place**, B., 1846; from Beacon street, north, between Somerset street and Bowdoin street.
- Freeman street**, Dor., 1871; from Charles street to beyond Faulkner street; authority to open southwardly from Faulkner street, given by Street Commissioners, May 23, 1896.
- Freeman's corner**, B., 1800; corner Ann (now North) street and Cross street then so called.
- *Freeport street**, Dor., 1892; from Hancock street to Neponset avenue; the name of Commercial street was changed to Freeport street, March 1, 1892. L 710, L 1840, L 1862, L 2452.
- Fremont avenue**, Rox., 185; from Mall street, north-easterly.
- Fremont court**, Chsn.; from Fremont place, east, near Medford street.
- Fremont place**, Chsn.; from Medford street to Chauncy place.
- Fremont place**, Rox.; from Dudley street, south-westerly, between Peyear street and Greenville street.
- Fremont place**, B., 1859; from Pleasant street, east, nearly opposite Claflin place; built over, 1873.
- Fremont place**, Dor.; from Fremont street to Cook court.
- †Fremont street**, Dor., 1869; from River street to Blue Hill avenue; extension from Norfolk street to Brush Hill (now Blue Hill) avenue laid out, Aug. 12, 1869.
- French place**, B., 1844; from Essex street, south, near Harrison avenue; built over, 1869-70.
- French square** (or **French's square**), So. B.; from (59) West Fourth street, southerly; discontinued and taken into property of O.C. (now N.Y., N.H. & H.) R.R. by authority of an act of the Legislature of 1893.
- French street**, Dor.; from Delhi street, near Norfolk street, east.
- Fresno street**, W. Rox.; from Dudley avenue to Alder street.
- *Friend street**, B., 1733; from Union street to Causeway street; from Hanover street to the Mill-pond called Separate lane in 1722; named Friend street, 1733; extended across the Mill-pond to Causeway street, 1807; extended to Dock square, over part of Scott's (formerly Minot's) court, 1854-55. L 40.
- Friend-street court**, B., 1833; from Friend street, west, near Hanover street; closed in 1849.
- Friend-street court**, B., 1855; from Friend st., north-east, near Traverse street.
- Friend-street court**, B., 1828; } from Friend street, west, near Cause-
Friend-street place, B., 1833; } way street.
- Frizzell's corner**, B., 1708; in Garden court.
- Frizzell's square**, B.; North square, at one time so called.
- Frobisher's corner**, B., 1800; corner Hanover street and Link alley (afterwards North Federal court) then so called.
- Frog lane**, B., 1708; from Orange (now Washington) street, west, by the Common, to the water; from Orange street, opposite the old Liberty tree, west, to the new burying-ground, 1800; from Orange

street to the mall called Boylston street, 1809; from the mall to the water called Boylston street, 1812.

Front street, B.; the oldest name of the present North street; called also at the same time Fore street.

Front street, B., 1805; from Beach street to South Boston bridge (now Dover street); extended to Essex street, through Rainsford lane or street, July 6, 1824; continuation to the dike laid out conditionally, June 3, 1834; street next the dike (sometimes called Dyke street), extending from Joshua Davis' land to Northampton street, named Front street, Sept. 15, 1834; new street from South Boston bridge to connect with street lately made from Northampton street, over City land to easterly end of the dike opened for travel, June, 1836; from Northampton street to Roxbury line accepted and known as continuation of Front street, June, 1836; name of Front street changed to Harrison avenue, April 26, 1841.

***Front street, Chsn.,** 1838; from Warren avenue to Austin street; laid out from Austin street to Boston (now Warren) avenue; named and accepted, March, 1845.

Front street, E. B. (proposed); from proposed part of Porter street to proposed part of Putnam street, parallel with and next east from B., R. B. & L. R.R.

Frost avenue, Dor.; from Boutwell street to Fairview street.

***Frothingham avenue, Chsn.,** 1869; from Main street to Rutherford avenue; laid out, Oct. 15, 1877. L 1278.

Fruean place, Dor.; from Highland street, near High street, north-east.

***Fruit street, B.,** 1822; from Blossom street to Charles street; from Blossom street to Bridge (now North Anderson) street, 1822; across Bridge street, 1831; accepted, conditionally, Aug. 8, 1831; confirmed as a public street, Sept. 15, 1834; to Grove street, 1852; extended from North Grove street to Harbor Commissioners' line, May 7, 1860. L 170, L 278.

Fruit street, Chsn., 1828; from Bunker Hill street to Vine street.

***Fruit street, W. Rox.,** 1867; extended to Weld street and whole street, from Weld street to Centre street, accepted, March 25, 1867; now Maple street.

Fruit-street court, B., 1833; from Fruit street, northerly, near the hospital.

Fruit-street place, B., 1840; from Fruit street, northerly, near the Medical College.

***Fulda street, Rox.,** 1889; from Highland street to Ellis street; formerly Nopper street; laid out, Aug. 27, 1889. L 2157, L 2309.

Fuller street, B., 1795; Foster street, from Charter street to Lynn (now Commercial) street; so called on Carleton's map.

Fuller street, B., 1840; from Church street, west; name changed to Grenville place, 1860.

†Fuller street, Dor., 1870; from Morton street to Bushnell street; formerly from Forest Hill avenue (now Morton street) to Dorchester avenue, then, after an interval, continued across Shawmut branch, O. C. (now N. Y., N. H. & H.) R.R. to Carruth street; laid out, from Washington street to Dorchester avenue, June 29, 1877; part from Carruth street to Bushnell street, laid out as Rowena street, Aug. 29, 1889; part of Fuller street, near and west of Washington street, at one time known as Warren place. L 1252, L 1253.

Fullerton street, Rox., 1896; from Brookline avenue to Fairhaven street; Miner street, laid out under the name of Fullerton street, Oct. 12, 1896. L 2790.

Fulton court, B., 1834; from Cross street to North street; formerly from Cross street, rear of Ann (now North) street, and Fulton street.

***Fulton place**, B., 1848; from Fulton street to North street; laid out, Oct. 11, 1864. L 269.

***Fulton street**, B., 1827; from Clinton street to Lewis street; from Clinton street to Richmond street, 1827; probably what was called Second street when laid out from Clinton street to Cross street, Feb. 22, 1828; from Clinton street to Richmond street named Fulton street, Dec. 10, 1832; extended to Lewis street, Nov. 8, 1838; doubts of legality having arisen, extension to Lewis street, laid out again, Oct. 2, 1842.

Fulton street, Dor., 1854; from Ericsson street to Franklin street.

Furbush court, Chsn., 1867; from Main street to Rutherford avenue.

Furnace street, B., 1846; from Federal street to Cove street; from South street to Sea (now Federal) street, 1846; part between South street and Cove street in 1883 occupied by O. C. (now N. Y., N. H. & H.) R.R. passenger station.

Fussell avenue, Rox.; from Day street, westerly; abandoned; part of Bynner street now in about same location.

***G street**, So. B., 1805; from Dorchester street to East Ninth street, with proposed extension to line in Old Harbor; laid out from salt water, on the south, to the harbor of Boston on the north, and named, Feb. 27, 1805; laid out from Dorchester street to harbor line in Dorchester bay, Nov. 17, 1868. L 142, L 174, L 879, L 1890.

†**Gainsborough street**, Rox., 1886; from B. & P. (now N. Y., N. H. & H.) R.R., opposite Camden street, to Parker street; name of part of Camden street changed to Gainsborough street, March 1, 1886. L 1296, L 1321.

***Galena street**, Rox., 1892; from Elmore street to Kingsbury street; formerly Grainger street; laid out, July 6, 1892. L 2408.

Gallatin street, Rox.; from Blue Hill avenue to Maple street; authority to open under the name of Nazing street given by Street Commissioners, Feb. 24, 1896.

Gallatin street, Dor.; from Codman street, parallel with Shawmut Branch of N. Y., N. H. & H. R.R., to extension of Milton street at Cedar Grove station.

Gallop's alley, B., 1708; from Fish (now North) street to Middle (now Hanover) street; named Board alley, 1850.

***Gannett street**, Rox., 1893; from Holborn street to Gaston street; laid out, May 22, 1893; formerly Galena street. L 2513.

Garaux place, B., 1839; from Portland street, east, near Hanover street; built over about 1883.

Garden court, B., 1708; from Bell alley (now Prince street) to Fleet street; changed to Garden-court street, from North square to Fleet street, some time later than 1817, but no record of change.

Garden place, Chsn., 1860; from Eden street to Mead street; laid out with the name of Ludlow street, June 30, 1884. L 1786.

***Garden street**, B., 1733; from Cambridge street to Myrtle street; laid out from Cambridge street to the Mount, beginning near the rope-walks at West Boston, 1800; from Cambridge street to Myrtle street, 1817.

Garden street, Rox., 1845; from Tremont street (now Huntington avenue) to Davis street (now Hillside avenue); later called Hillside avenue and Wait street.

Garden street, Dor., 1864; from Dorchester avenue to Buttonwood street; laid out with the name of Grafton street, March 27, 1882.

- Garden street**, W. Rox., 1870; from Brown avenue to Hancock (now Sherwood) street.
- Garden street**, W. Rox.; from Maple street to Corey street.
- Garden street**, W. Rox., 1852; from Austin (now Centre) street, north-west; afterwards Corey street.
- Garden street**, Bri., 1874; from Market street to Murdock street.
- *Garden-court street**, B.; from North square to Fleet street; called Garden street, 1709; no record of naming.
- Garden-street arch**, B., 1859; from Garden street, west, near Cambridge street.
- Garden-street court**, B., 1840; from Garden street, west.
- Gardiner street**, B., 1845; from Tremont street to Emerald street; name changed to Paul street, April 21, 1868; sometimes called Gardner street.
- *Gardiner street**, Chsn., 1858; from Broadway (now Main street) to Sever street; also called Gardner street.
- Gardner avenue**, Rox., 1855; from Central avenue, south-west, then south-east, near Warren street and Blue Hill avenue.
- Gardner avenue**, Rox.; from Roxbury street, between Gardner street and Pynchon street (now Columbus avenue), south, then east.
- Gardner court**, Rox., 1867; from Washington (now Roxbury) street, near Gardner street, south-west, then south-east; sometimes called Gardner avenue.
- Gardner place**, So. B.; from West Broadway, north-easterly, between B street and C street.
- Gardner street**, B., 1845; from Tremont street to Emerald street; name changed to Paul street, April 21, 1868; called sometimes Gardiner street.
- *Gardner street**, Chsn., 1858; from Main street to Sever street; also called Gardiner street.
- *Gardner street**, Rox.; from Roxbury street to Centre street; name of Smith street changed to Gardner street, Oct. 29, 1860; this street was regarded as public by the Roxbury authorities at the time of annexation and has been taken care of by the City since; no record of laying out can be found. L 420.
- †Gardner street**, Bri., 1841; from Harvard avenue across Malvern street; from Harvard avenue to Malvern street, laid out Dec. 17, 1873; accepted, conditionally, Dec. 30, 1873; laid out, Sept. 16, 1876; authority to open part east of Malvern street to Babcock street, extended across Commonwealth avenue, given by Street Commissioners, Sept. 7, 1892. L 1177, L 1178, L 1179.
- †Gardner street**, W. Rox.; from Spring street to High street; laid out from Spring street to Baker street, March 6, 1871; from Baker street to Cow Island, Nov. 29, 1876; extended to Morrison street, Nov. 11, 1881. L 1203, L 1204, L 1205, L 1566, L 2319, L 2407.
- Gardner's corner**, B., 1732; corner Fish (now North) street and Sun court then so called.
- Garfield avenue**, W. Rox.; from Corey street to Mt. Vernon street.
- Garfield avenue**, W. Rox.; from Washington street, south-easterly, near Greenwood avenue; also called Garfield street.
- Garfield place**, Rox.; from Washington street, near Ball st.
- Garland place**, B., 1826; from Washington street, westerly; extended to Suffolk street (now Shawmut avenue) and named Garland street, Sept. 12, 1836.
- Garland place**, B.; from Garland street, south-westerly, near Washington street.

- ***Garland street**, B., 1831; from Washington street to Shawmut avenue; Garland place, from Washington street, west, laid out as Garland street and extended to Suffolk street (now Shawmut avenue), Sept. 12, 1836; laid out conditionally from Suffolk street to Tremont street, Dec. 12, 1836, but conditions never complied with; laid out from Washington street to Shawmut avenue, Sept. 5, 1870. L 545, L 562, L 720.
- ***Garrison street**, B., 1882; from Huntington avenue, south-easterly, crossing St. Botolph street; laid out, Dec. 27, 1882. L 1681.
- ***Gaston street**, Rox., 1871; from Warren street to Blue Hill avenue; named, March 7, 1871; laid out, June 20, 1871. L 621.
- ***Gates street**, So. B., 1863; from Dorchester street to East Eighth street; laid out, Nov. 17, 1868.
- Gawain street**, Dor.; from Park street to Harvard street.
- Gay alley**, B.; Hillier's lane, from Queen (now Court) street to Brattle street, sometimes so called; called also at same time Belknap's alley; Brattle street extended through it to Court street in 1820.
- ***Gay street**, Rox.; from Roxbury street to Linden park (now Linden Park street); orders for acceptance in 1859 and 1861 not concurred in.
- Gay street**, Rox., 1856; Woodville square, from West Cottage street to Dennis street, so called.
- ***Gay Head street**, Rox.; from Centre street to Minden street; laid out, June 23, 1890. L 2200.
- Gayland avenue**, Dor.; from Judson street to West Cottage street.
- Gaylord street**, Dor., 1896; from Washington street to Chamberlain street; Cork street, laid out and extended to Chamberlain street, under the name of Gaylord street, July 10, 1896. L 2775.
- Gee's corner**, B., 1708; corner Prince street and Back (now Salem) street then so called.
- ***Genesee street**, B., 1844; from Harrison avenue to Albany street; accepted, Jan. 5, 1856. L 209, L 2679.
- ***Geneva avenue**, Dor. and Rox., 1876; from Blue Hill avenue to Dorchester avenue; from Blue Hill avenue to Bowdoin street in Directory of 1884; street from Columbia street to Bowdoin street, part of which was called Green street and part Geneva street, named Geneva avenue, Dec. 30, 1876; extended from Columbia street to Blue Hill avenue, at its junction with Warren street, including Marston avenue, May 26, 1880; extended from Bowdoin street to Charles street, Aug. 27, 1884. L 1461, L 1462, L 1810, L 1811, L 1979, L 2350, L 2729, L 2730.
- Geneva street**, E.B. (proposed); from Maverick street to proposed part of Putnam street.
- Geneva street**, Dor.; from angle in Green street to Bowdoin street; with part of Green street, forming continuous street from Columbia street to Bowdoin street; named Geneva avenue, Dec. 30, 1876.
- Geneva street**, Dor.; proposed extension of Geneva avenue, from Westville street to Charles street; so called by Bromley, 1884.
- George street**, B., 1732; from Beacon street, north, then east, then north, to Cambridge street; from Cambridge street to Olive (now Mt. Vernon) street called Hancock street, 1788; this part also at one time called Turner street; from Hancock street to Clapboard (now Joy) street, called Sumner (now Mt. Vernon) street, 1800; from Beacon street to Sumner street, called Belknap (now Joy) street, 1803.
- ***George street**, B., 1810; from Cambridge street, near the bridge, to Chestnut street 1810; a part of Southac street from 1729; from Chestnut street, to Sumner (now Mt. Vernon) street called West

Cedar street 1828; from Sumner street to Pinckney street, called West Cedar street, 1833; confirmed as a public street, Sept. 15, 1834; from Pinckney street to Cambridge street called West Cedar street, April 1, 1839.

*George street, Rox., 1865; from Hampden street to Shirley street, accepted, July 31, 1865; laid out from Magazine street to Shirley street, Nov. 28, 1879. L 1407, L 2263.

George street, W. Rox.; from Billings street to North avenue.

George street, Chsn.; from Hamblen street to Fred street.

George street, Bri.; from North Beacon street, south-westerly, towards Whitney street.

Georgia avenue, Rox.; from Elm Hill avenue to Blue Hill avenue; part from Elm Hill avenue to Montana street, laid out as Georgia street, June 26, 1882; from Montana street to Blue Hill avenue, laid out as Georgia street, June 23, 1884.

*Georgia street, Rox., 1882; from Elm Hill avenue to Blue Hill avenue; Georgia avenue, from Elm Hill avenue to Montana street, laid out as Georgia street, June 26, 1882; relocated and extended over remainder of Georgia avenue, from Montana street to Blue Hill avenue, June 23, 1884. L 1618, L 1782.

Georgia street, E. B. (proposed); from Putnam street to Neptune street (Wood Island) (abandoned).

Georgianna street, W. Rox.; from Boylston street to Dalrymple street.

*Gerard street, Rox., 1865; from Massachusetts avenue to George street; accepted, June 31, 1865; laid out from East Chester park (now Massachusetts avenue) at its junction with Swett street to Norfolk avenue, Dec. 8, 1882. L 794, L 1670, L 1671.

Germain street, Rox.; from near Norfolk avenue to Sherwood street, parallel with N. E. R.R.

*German street, W. Rox.; from Washington street to Grove street; laid out, Sept. 10, 1891. L 2334.

Germania avenue, W. Rox., 1871; from Bismarck street to Baker street, later called Germania street. L 2534.

*Germania street, W. Rox.; from Bismarck street to Boylston street; laid out, from Bismarck street, and over a part of Baker street, or court, to Boylston street, Aug. 24, 1893; formerly called Germania avenue. L 2534.

Gerrish street, So. B. (proposed); from Dorchester avenue, across Washington avenue (proposed), to Richardson avenue (proposed).

Gerrish street, Bri.; from Brooks street, west, then south-west to Bigelow street.

Gibbons court, B.; Gibbons place, from Washington street, west, next north of Boylston street, sometimes so called.

Gibbons place, B., 1784; from Washington street, west, next north of Boylston street; from Newbury street, west, 1784; called Gibbons court, 1800; called Market place, 1818; since by both names.

Gibbs court, Chsn.; from Main street, westerly, nearly opposite Charles street.

Gibbs lane, B., 1708; from the upper part of Cow lane (now High street) to the sea; from Belcher's lane to Cow lane, 1732; called Gibson's lane by the 1796 Directory; from Purchase street into Cow lane, 1800; from Washington place to Fort Hill wharf, 1817; name changed to Belmont street, from Washington place to Broad street, Sept. 23, 1844; named Oliver street in 1865.

†Gibson street, Dor., 1849; from Dorchester avenue, crossing Adams street, to Tenean creek; laid out and built across to the school pasture from Adams street to Dorchester turnpike (now avenue) in 1849; named, April 1, 1850.

- Gibson's lane**, B., 1796; Gibbs lane, from Purchase street, into Cow lane (now High street), so called by Directory of 1796; now Oliver street.
- Gifford court**,) So. B., 1859; from Ward street, northeasterly, between
Gifford place,) Dorchester street and Ward court.
- Gilbert avenue**, Chsn.; from Hamblen street to Fred street.
- Gilbert place**, B.; from the end of the extension of Summer street beyond Atlantic avenue, to Congress street.
- ***Gilbert street**, Rox., 1874; from Centre street to Wyman street; laid out from near Roys street to Hoffman street, Oct. 6, 1880; from near Roys street to Centre street, Sept. 7, 1881; from Hoffman street to Wyman street, Oct. 7, 1882; name changed to Chestnut avenue, March 1, 1886. L 1499.
- Gilbert's alley**, B.; from Summer street to Milk street; called Bishop's, alley, 1708; Broad alley, 1792; also Richardson's alley and Wybourne's lane; named Hawley street in 1800.
- Gill street**, Chsn.; mentioned in 1827 as "Austin's lane or Gill street;" new street (Chelsea street), laid out from City square to Joiner street, to take the place of Gill street, Dec. 7, 1835; Gill street discontinued, March 28, 1836; Town's rights relinquished to adjacent proprietors, May 2, 1836.
- Gillam place**, B., 1809; from Washington street to Marlboro' chapel; changed to Chapel place, 1837; also called Gilman, or Gillman place; built over.
- Gill's alley or lane**, Chsn., 1761; from Back street (now Warren avenue), south-west; later probably same as Gill street; from Charlestown square to Joiner street; a portion taken by Chelsea street and remainder discontinued.
- Gilman place**, B., 1834; from Friend street, south-west, next north-west from Traverse street; enclosed.
- Gilman place**, B.; Gillman place, from Washington street to Marlboro' chapel, sometimes so called; called Chapel place in 1837; built over.
- Gilman street**, W. Rox.; from Canterbury street to Sutton street.
- Gilson court**, B., 1867; from West Cedar street, north-westerly, near Cambridge street; called Bridge court, 1833; name changed to Gilson court, 1867.
- †**Gladstone street**, E. B. (Breed's Island), 1886; from Walley street (formerly Washburn avenue) to the junction of Waunatosa avenue and Cosmos street; laid out from Breed street to Washburn avenue (now Walley street), Aug. 23, 1886; formerly Terrace avenue. L 1933, L 1934, L 1935.
- ***Gleason street**, Dor.; from Harvard street to Bradshaw street; laid out, Dec. 30, 1889. L 2197.
- Glen avenue**, Dor., 1871; from Blue Hill avenue, crossing Erie avenue (now Erie street) to Read avenue or street; made part of Glen road, later Glenway street; called also Glenn avenue.
- Glen avenue or street**, Dor., 1872; from Glenway street (formerly Glen road) to Greenwood street.
- ***Glen road**, W. Rox. and Dor., 1853; from Washington street to Franklin Park, formerly from Washington street, opposite Green street, to Harvard street, opposite Warner avenue; laid out from Forest Hills street to Walnut avenue; thence extended to Blue Hill avenue, near Columbia street, March, 1872; name of Green street, between Forest Hills street and Washington street, changed to Glen road, March 1, 1888; part of Glen road from Sigourney street to Blue Hills avenue, included in Franklin Park; part from Old road (Blue Hill avenue) to Glen avenue laid out as Glenway street, July 31,

1893; part from Glen avenue to Harvard street, laid out as Glenway street, Aug. 10, 1894; this last part is shown on early atlas as Warner avenue. L 1469, L 2192.

***Glen street**, Dor., 1873; from Glendale street to Trull street; laid out, Dec. 10, 1875. L 1113.

Glen street, W. Rox., 1856; from Green street, north, 1,003 feet, next to B. & P. (now N. Y., N. H. & H.) R.R.; Boylston avenue extended to Green street over it, April 5, 1872.

Glen way, W. Rox.; from Centre street, east, nearly opposite Lake Ville (now Lakeville) place.

***Glenarm street**, Dor., 1882; from Washington street to New Seaver (now Seaver) street; Miller street, from Washington street to Merrill street, laid out and name changed to Glenarm street, July 3, 1882; name of part of Merrill street, from angle in same at Glenarm street to New Seaver street, changed to Glenarm street, March 1, 1883. L 1545, L 1631, L 1657.

Glenbrook street, Rox. and Dor.; from Dewey street to Dalmatia street.

***Glendale street**, Dor., 1870; from Bird street to Hancock street; name of Cross street (from Hancock street to Columbia street) changed to Glendale street, May 31, 1870; extended from Columbia street to Bird street in part over a private way known as Bird-street place, Dec. 19, 1878. L 1340.

Glendon avenue, Bri., 1887; from Commonwealth avenue to Kinross road; from Englewood avenue to Massachusetts (now Commonwealth) avenue, on plan in 1887; part from Englewood avenue to Selkirk road now called Chiswick road; part from Chiswick road to Kinross road abandoned.

Glendon place, E. B.; from Bremen street to Chelsea street.

***Glendon street**, E. B.; from Eagle street, opposite Trenton street, to Condor street; laid out, April 20, 1869; late Knox street. L 441, L 816.

Glenham street, W. Rox., 1893; from Baker street to La Grange street; authority to open given by Street Commissioners, March 5, 1895.

Glenmore street, Dor.; from standard street to Groveland street.

Glenside avenue, W. Rox.; from Glen road, south-westerly, nearly opposite Sigourney street.

Glenvale terrace, W. Rox.; from Lamartine street, north-west, between Spring lane and Bell street.

Glenway, Dor., 1845; a part of curvilinear driveway through Savin Hill, from Grampian way to Indian way (now Savin Hill avenue); name changed to Grampian way, Aug. 12, 1869; also called Glenway avenue.

Glenway, W. Rox., 1849; from Scarboro' street (part of present Morton street), southerly, curving easterly to Scarboro' street again; now included in Forest Hills avenue.

Glenway, Rox.; from Seaver street, south; now in Franklin Park.

***Glenway street**, Dor.; from Blue Hill avenue (Old road) to Harvard street, opposite Warner avenue; formerly Glen road; laid out and named Glenway street, from the Old road (Blue Hill avenue) to Glen avenue, July 31, 1893, and from Glen avenue to Harvard street, Aug. 10, 1894; part near Harvard street shown on early atlas as Warner avenue. L 2528, L 2529, L 2609, L 2610.

Glenwood avenue, W. Rox., 1856; from Dedham turnpike (now Washington street) to proposed avenue; plan, book 3, No. 57, Middlesex, South District Deeds.

Glenwood place, Rox.; from Glenwood street, south-east, near Cliff street.

- ***Glenwood street**, Rox., 1868; from Warren street to Cliff street, name of Myrtle street changed to Glenwood street, April 21, 1868; laid out, Dec. 22, 1870. L 583.
- Glenwood terrace**, Rox.; from Glenwood street, near Warren street, north-west.
- †**Glide street**, Dor., 1869; from Chickatawbut street to Marsh street; from Chickatawbut street to Minot street, laid out and named, March 1, 1869.
- Glines avenue**, W. Rox.; from School street, south-east, between Byron court and Erie place.
- Globe court or alley**, B., 1862; from Commercial street, south-west, near Hanover street.
- Gloucester place**, B., 1863; from Harrison avenue, west, next north of Dover street.
- ***Gloucester street**, B., 1867; from Boylston street to 30-foot street on bank of Charles River; at one time called Seventh street on plans; laid out from Beacon street to Commonwealth avenue, Aug. 3, 1874; extended from Commonwealth avenue to Boylston street, April 12, 1880; laid out from Beacon street to 30-foot street, May 3, 1895. L 862, L 951, L 1443, L 2701.
- Glover court**, So. B., 1863; from Woodward street, south-west.
- Glover place**, Dor.; from Highland street, north-east; also called Glover's court.
- ***Glover's corner**, Dor.; at the junction of Dorchester avenue, East street, and Commercial (now Freeport) street.
- Goddard street**, So. B., 1855; from Dorchester street to D street; accepted, conditionally, Sept. 13, 1859; name changed to Eighth (now West Eighth) street, April 9, 1867. L 201, L 257.
- Goddard street**, Bri., 1891; from North Harvard street to Seattle street; authority to open given by Street Commissioners, July 10, 1891.
- ***Gold street**, So. B., 1852; from A street, near Dorchester avenue, to Dorchester street; accepted and laid out, Nov. 29, 1852; extended from E street to D street, Nov. 22, 1859; extended from C street to D street, Sept. 9, 1862; laid out from B street to C street, Oct. 18, 1870; laid out from D street to E street, Feb. 29, 1872; laid out from F street to Dorchester street, May 9, 1874; laid out from C street to D street, Sept. 23, 1882; laid out from E street to F street, May 21, 1884; laid out from A street to N. Y. & N. E. (now N. E.) R.R., June 23, 1884; laid out from B street to N. E. R.R., March 26, 1891; laid out over location of N. E. R.R., March 14, 1895. L 168, L 183, L 558, L 744, L 924, L 1642, L 1776, L 1783, L 2616.
- Goldsmith place**, W. Rox.; from Centre street, east, near Spring Park avenue.
- Goldsmith place**, Rox.; from Ruggles street, south-west, between Washington street and Shawmut avenue.
- ***Goldsmith street**, W. Rox.; from Centre street to Custer street; laid out, Sept. 11, 1891. L 2333.
- Goldthwait street**, Rox.; from Parker street to Halleck street.
- Gooch lane or street**, B.; same as Gouch lane or street; now Norman street.
- Goodenough street**, Bri., 1893; from North Beacon street to Faneuil street; authority to open given by Street Commissioners, Oct. 24, 1893.
- Goodridge's alley**, B.; from Charter street, north, at an early date.
- Goodwin court**, So. B.; from Ward street, north-easterly, near Preble street.

- Goodwin place**, B., 1859; from Revere street, north, near Grove street.
- Gordon place**, Dor.; from Adams street, north-east, near its junction with Dorchester avenue.
- *Gordon street**, W. Rox., 1865; from Elm street to Jamaica Plain station; laid out, May 7, 1872.
- Gordon street**, Dor.; from Torrey street to Dunbar avenue.
- *Gordon street**, Bri., 1876; from North Beacon street to Cambridge street; laid out, Feb. 5, 1876. L 1129.
- Gore avenue**, Rox., 1863; from Parker street to Terrace street; formerly from Parker street to Tremont street; accepted, conditionally, May 11, 1863; laid out in part (from Tremont street), April 17, 1875; name of last-mentioned part changed to Terrace street, Sept. 23, 1875; part between Terrace street and Parker street laid out as Gore street, Aug. 25, 1886. L 1040.
- *Gore street**, Rox., 1886; from Parker street to Terrace street; laid out, Aug. 25, 1886; formerly Gore avenue. L 1940.
- Gore street**, W. Rox.; from Centre street to Lamartine street; Paul Gore street sometimes so called.
- Gorham place**, B., 1835; from Washington street, north-west, near Waltham street.
- Gorham street**, Bri.; from Holmes avenue to Commonwealth avenue.
- Gorham street**, Chsn., 1810; Oliver Holden conveys to Town for public highway a parcel of land called Gorham street, being a continuation of High street, terminating at west corner of Baptist meeting-house, July 17, 1810; later made a part of High street.
- Gorham street**, Dor.; from Centre street to Clement street.
- Gosnold street**, E.B., 1893; from Prescott street to the Parkway; authority to open given by Street Commissioners, April 21, 1893.
- *Gouch lane or street**, B., 1732; from Green street to the Mill-pond, called Gouch lane, 1732; Merrimac street filled in across foot of, 1807; from Green street to Merrimac street called Gouch street, 1822; name changed to Norman street, Dec. 18, 1877.
- Gouch-street place**, B., 1849; from Norman street (formerly Gouch street), north-west.
- Gould avenue**, W. Rox.; from Weld street to Agassiz avenue.
- †Gould street**, W. Rox., 1888; from Spring street, near the Charles river, to Belle avenue; formerly Clarence street, of which the part between Spring street and Hamilton street was laid out, with the name of Gould street, Sept. 28, 1888. L 2094.
- Gould's court**, E. B.; from Orleans street, near Decatur street, north-westerly, to land of E. (now B. & M.) R.R.
- Gouldville terrace**, Dor.; from Brook avenue, south-west, then west, between Victor street (formerly Grenville place) and West Cottage street.
- *Gove street**, E. B., 1893; name of that part of Decatur street, between Meridian street and Bremen street, changed to Gove street, March 1, 1893. L 2502.
- *Governor's alley**, B., 1732; named from Dummer's corner in School street, south-west, to Rawson's lane (now Bromfield street), 1732; called Montgomery street, 1833; named Province street, June 17, 1833; confirmed as a public street, Sept. 15, 1834.
- Grace avenue**, Dor.; from Robinson street to Arcadia street; laid out as Montello street, Nov. 16, 1894. L 2671.
- Grace court**, So. B.; from East Third street, northerly, between O street and P street.

- Grace street**, Dor.; from Walton street to Roslin street; authority to open given by Street Commissioners, Jan. 11, 1895.
- ***Grafton street**, Dor., 1882; from Dorchester avenue to Buttonwood street; private way, called Garden street, laid out with the name of Grafton street, March 27, 1882. L 1592.
- Graham court**, Dor.; from Graham street to Clapp street.
- Graham street**, Dor.; from south of Clapp street, crossing it and Massachusetts avenue (formerly East Chester park) to Graham court.
- Grainger street**, Rox., 1890; from Elmore street to Kingsbury street; laid out as Galena street, July 6, 1892. L 2408.
- Gramercy street**, Bri.; from Cambridge street to North Beacon street; laid out with the name of Dustin street, Feb. 20, 1890. L 2207.
- Grammar alley**, B. 1795; from North Bennet street to Prince street; called School alley, 1732; called Grammar alley, 1795; Prince-street avenue in 1833; Bennet avenue in 1839.
- ***Grampian way**, Dor., 1845; curvilinear driveway through Savin Hill, from Savin Hill avenue to Savin Hill avenue; laid out, including Glen way, and accepted, Aug. 12, 1869.
- ***Granby street**, Rox., 1895; from Commonwealth avenue to Charles river; laid out, Aug. 15, 1895. L 2713.
- Granby street**, So. B.; proposed street from the proposed extension of B street to the proposed extension of E street, on the so-called Commonwealth flats.
- Grandview street**, W. Rox.; from Beech street, nearly opposite Kitredge street.
- Granger place**, Dor.; from Duncan street, opposite Granger street.
- ***Granger street**, Dor., 1870; from Duncan street to Clayton street; laid out, June 18, 1891. L 2300.
- ***Granite avenue**, Dor.; Granite street, from Adams street to Neponset river; so called in County Commissioners' records.
- Granite street**, Dor.; from Adams street, at junction with Marsh street, to Neponset river; called Granite turnpike on a plan in 1846; called Granite bridge road in 1847, and previously turnpike, bridge, etc.; laid out by County Commissioners, September, 1865; called Granite avenue in Commissioners' records.
- ***Granite street**, So. B., 1855; from West Second street to Mt. Washington avenue and beyond; from First street, now West First street, to Mt. Washington avenue, accepted, conditionally, April 30, 1855; laid out from Second (now West Second) street to Mt. Washington avenue, and from street 550 feet north-east of Mt. Washington avenue to limit of solid structures, Nov. 17, 1868; part north of Mt. Washington avenue now abandoned. L 27, L 41, L 58, L 80.
- Granite place**, B., 1844; from Dover street to Harrision avenue; called Dover place, 1848; Dover-street place, 1861; Fay street, 1877.
- Granite street**, W. Rox., 1870; from Centre street to Spring street, near Spring-street station; in same year called Cass street on a plan; part from Centre street to railroad laid out as Cass street, Dec. 11, 1883. L 1748.
- Grant avenue**, Bri.; from Wilton street.
- Grant place**, B., 1866; from Camden street, south-west, next north of Washington street.
- Grant place**, B., 1866; from Chardon street, south; called Chardon-street place, 1841; Grant place, 1866; Chardon court, 1874.
- Grant place**, Dor.; from Washington street (at Lower Mills), westerly near Sanford street.

- Grant place,** { Bri.; from Upton court, near Western avenue, southerly.
Grant street, {
- *Grant street,** Dor.; from Crescent avenue to Harbor View street; laid out, July 22, 1887. L 2003.
- Grant's court,** Chsn.; from North Mead street, south-easterly.
- Grant's corner,** B., 1800; corner Union street and Minot's court at one time so called.
- Granville street,** W. Rox.; from Beech street, opposite Kittredge street.
- Granville place,** Dor., 1871; from Brook avenue, southerly; laid out as a public street, with the name of Victor street, from Brook avenue to Dean street, July 26, 1894.
- Granville street,** Dor.; from Adams street, near Granite avenue to Milton street.
- Grape place,** B., 1851; from Spring street, north-west, between Leverett street and Milton street; near corner of Chambers street.
- Graphic court,** B., 1827-61; from Washington street, opposite Franklin street; closed and built over.
- *Grave street,** Chsn.; from Main street to Bunker Hill street; from Main street to Bartlett street, accepted, Nov. 28, 1831; continuation to Bunker Hill street laid out, Oct. 6, 1834, and accepted, Nov. 10, 1834; called also Graves, Greave and Greaves streets; no record of change of name, but soon after called Sullivan street.
- Gravel street,** B., 1733; from Leverett street to Wiltshire (now Chambers) street; from Leverett street to Poplar street, 1803; accepted and included in Chambers street, May 26, 1828; that part of Chambers street formerly called Gravel street named Ashland street, Feb. 22, 1845.
- Gravelly Point road,** Rox., 1662; from Ruggles street across B. & P. (now N.Y., N. H. & H.) R.R. to the marsh; located, Jan. 19, 1662 and 1694; portion east of Sudbury (now Weston) street discontinued, Nov. 30, 1863.
- Graves lane,** Chsn., 1803; from Charlestown square, south-west.
- Gray place,** B., 1841-57; from Portland street, west, near Hanover street; closed.
- *Gray street,** B., 1870; from Berkeley street to Clarendon street; Clarendon place laid out and name changed to Gray street, Oct. 11, 1870. L 354, L 568.
- *Gray street,** Chsn., 1842; from Chelsea street to Water street; laid out, March 28, 1842.
- Gray's alley or lane,** B., 1722; from Belcher's lane (now Purchase street) to Cow lane (now High street), shown on a plan in 1722; named, 1732; from Cow lane to Milk street, 1788; part included in Atkinson (now Congress) street, between 1788 and 1795; laid out from Atkinson street to Milk street, Aug. 25, 1795; Atkinson street laid out through remainder, 1816.
- Greave street,** Chsn.; from Main street to Bunker Hill street; also called Grave street.
- Green and Walker's corner,** B., 1732; cor. Queen (now Court) street, and Hillier's lane (now Brattle street), then so called.
- Green alley,** So. B.; from West First street to West Second street; laid out as Colton street, Dec. 31, 1888. L 2110.
- Green lane,** B., 1803; Allen's lane, from Wiltshire street, west, to the water, so called.
- Green lane,** B.; Atkinson (now Congress) street, from Milk street to Cow lane (now High street), so called previously to 1788.

- Green lane, B.**, 1708; from Well's corner (now Bowdoin square) to the water; called Green street, from Well's corner, north-west, to Barton's point, 1732; from Bowdoin square to Chambers street, 1784.
- Green lane, B.**, 1789; Pearl (formerly Hutchinson) street, from Milk street to Cow lane (now High street), so called by a plan of 1789.
- Green lane, B.**; Salem street, from Prince street to Charter street, so called at one time.
- Green place, W. Rox.**; from Centre street, opposite Green street; now a part of Myrtle street.
- ***Green street, B.**, 1732; from Bowdoin square to Chambers street; called Green lane, from Well's corner (Bowdoin square) to the water, 1708; called Green street, from Well's corner, north-west, to Barton point, 1732; from the present Bowdoin square to Chambers street, 1784. Vol. 31, p. 74. L 11, L 75, L 271, L 579.
- Green street, B.**, 1850; Court street from Bowdoin square to Sudbury street, so called in 1850, and later in same year changed back to original name.
- ***Green street, Chsn.**, 1799; from Main street to Bunker Hill street; laid out from corner of Green's lane to Bunker Hill lane, March 4, 1799; continuation to Bunker Hill street accepted, April 6, 1840.
- Green street, Dor.**, 1840; from Bowdoin street to Columbia street; street leading from Bowdoin street, through Davenport's lane, named Green street, March 11, 1840; called Love lane on a plan dated 1859; name of part from Columbia street to Geneva street changed to Geneva avenue, Dec. 30, 1876; name of part from Geneva street to Bowdoin street changed to Olney street, Dec. 30, 1876. L 1191.
- ***Green street, W. Rox.**, 1837; from Centre street to Forest Hills street; new road from Jamaica Plain to Dedham turnpike (now Washington street) named Green street, Aug. 14, 1837; laid out from Shawmut avenue (now Washington street) to Forest Hills street, to connect with Glen road, Dec. 15, 1870; accepted, Dec. 15, 1870; name of part between Washington street and Forest Hills street changed to Glen road, March 1, 1888. L 1698, L 2210, L 2739.
- Green-street court, Dor.**; from Olney street, northerly.
- Green-street place, B.**, 1874; from Green street, south, opposite Crescent place.
- Green-street place, Dor.**, 1868; from Green street (now Geneva avenue), north-east, then north-west, to Columbia street; part north-east from Geneva avenue, now called Vaughn court or avenue.
- †**Greenbrier street, Dor.**; from Park street, north-west, near Washington street, crossing Bloomfield street; laid out from Bowdoin street to Bloomfield street. Sept. 19, 1895. L 2731.
- Green Dragon lane, B.**, 1708; from Hanover street to the Mill-Pond; opened to width of 40 feet, Sept. 16, 1828; laid out from corner of Hanover street and Union street, to Merrimac street, as a continuation of and named Union street, Sept. 26, 1828.
- Green's block, Chsn.**; from Walnut street, north-west.
- Green's lane, Chsn.**; laid out from Main street to High street, March 4, 1799; no other record.
- Greenhalge street, Dor.**; from Roseclair street to Dorchesterway.
- Green Hill avenue, W. Rox.**, 1851; from Centre street, north-west, near Allandale street.
- ***Green Hill street, Dor.**; from Mill street to Blanche street; laid out, July 21, 1885. L 1874.

- ***Greenheys street**, Dor., 1893; from Magnolia street to Mascoma street; authority to open given by Street Commissioners, July 19, 1893; laid out, Dec. 5, 1893. L 2555.
- Greenleaf street**, Rox., 1871; from Huntington avenue to Rogers avenue; formerly from Parker street, near its junction with Huntington avenue, easterly; authority to open portion from Rogers avenue west and north-west; given by Street Commissioners, Jan. 7, 1897.
- ***Greenough avenue**, W. Rox., 1853; from Centre street to Elm street; accepted, March 7, 1864; laid out by Selectmen by the new High school-house to Elm street, and accepted by the Town, July 25, 1868. L 1148, L 1955.
- Greenock street**, Dor., 1894; from Blue Hill avenue to Harvard street; authority to open given by Street Commissioners, Nov. 8, 1894.
- Greenough place**, W. Rox., 1872; from Greenough avenue, north-east.
- Greenough's avenue**, B., 1848; from Charter street to Commercial street; called Greenough's alley, 1708; Greenough's lane, 1732; Greenough's avenue, 1848; Greenough lane, 1858.
- Greenough alley**, B., 1708; the alley leading from Charter street, down through Mr. Greenough's building yard into Lynn (now Commercial) street; called both alley and lane after 1732.
- ***Greenough lane**, B., 1732; from Charter street to Commercial street; Greenough's alley called Greenough's lane in 1732; called Greenough's avenue in 1848; called Greenough lane in 1855. L 23, L 1391.
- Greenville park**, Rox.; from Greenville street; also called Greenville place.
- Greenville place**, Rox.; from Greenville street, westerly; also called Greenville park.
- ***Greenville street**, Rox., 1845; from Dudley street to Winthrop street; accepted from Dudley street to East street (now Blue Hill avenue), Jan. 28, 1850; Winthrop street laid out over part of from Grove Hall (now Blue Hill avenue), north-westerly, April 2, 1855.
- ***Greenwich park**, B., 1870; from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R.; part of West Concord street, from Columbus avenue to the railroad named Greenwich park, March 29, 1870. L 502, L 516.
- Greenwich place**, Dor., 1870; from Dorchester avenue to Commercial (now Freeport) street.
- ***Greenwich street**, Dor., 1870; from Dorchester avenue to Commercial (now Freeport) street; laid out, Dec. 3, 1877. L 1293.
- ***Greenwich street**, Rox., 1866; from Warwick street to Westminster street; laid out, Sept. 1, 1871. L 382, L 659, L 661.
- Greenwood avenue**, W. Rox., 1857; from Washington street, south-easterly, near Garfield avenue.
- Greenwood park**, Dor.; from Park street, near Dorchester avenue, north.
- Greenwood street**, Dor., 1872; from Glen road (now Glenway street) or Warner avenue, easterly, then northerly, parallel with N. E. R.R.; part from Glenway street, easterly, now known as Roxton street; Greenwood street now runs from Harvard street, northerly, parallel with N. E. R.R., to beyond Glenway street.
- Greenwood street**, Dor., 1893; from Harvard street to Elmo street; authority to open from Harvard street to Roxton street given by Street Commissioners, March 28, 1893; authority to open across the end of Fowler street, from near Glen street to near Elmo street given by Street Commissioners, Oct. 24, 1894.

- ***Greenwood street**, Rox., 1872; from Marcella street to Brunswick (now Columbus) avenue; accepted from Marcella street to Stony brook, Sept. 24, 1872; named, Oct. 11, 1872; location altered, Dec. 27, 1879; discontinued, July 23, 1881; given in Directory, 1884, and on chart, 1884; Ritchie street laid out over part of former location of, from Marcella street to Centre street, Dec. 31, 1888. L 1456, L 2111.
- Greims place**, Rox.; from Longwood avenue, south, between Parker street and Phillips street.
- ***Grenville place**, B., 1860; from Columbus avenue to Church street; called Fuller street, from Church street, west, 1840; name changed to Grenville place, 1860; laid out between Church street and line of proposed extension of Columbus avenue, Sept. 14, 1868. L 387, L 394, L 397.
- Grew avenue**, W. Rox.; from Canterbury street, opposite Poplar street, to Hyde Park line.
- ***Gridley street**, B., 1825; from High street to Purchase street; called Tilley's lane, 1708; Gridley's lane, 1795; Gridley street, 1825. L 82.
- Gridley's lane**, B., 1708; from Cow lane (now High street) to the rope-walk; called Griffin's lane in 1795 or 1800, and both names seem to have been used until it was included in the extension of Pearl street, in 1821.
- Gridley's lane**, B., 1795; from Cow lane (now High street) to Belcher's lane (now Purchase street); called Tilley's lane, 1708; Gridley's lane, 1795; Gridley street, 1825.
- Gridley's lane**, B., 1857; from Grove street, west, near Cambridge street; probably same as Grove place, with same description.
- Griggs place**, Bri.; from Allston street, south-west, opposite Hollis place.
- Griggs street**, Bri., 1857 (from Commonwealth avenue to Holmes avenue, formerly); from Washburn street to Holmes avenue; part of taken into Massachusetts (now Commonwealth) avenue.
- Griffin court**, Dor.; from Clayton street, opposite Granger street.
- Griffin's lane**, B.; from Cow lane (now High street) to Belcher's lane (now Purchase street); called Gridley's lane from 1708 to 1795 or 1800; from which time both names seem to have been used until the lane was included in the extension of Pearl street in 1821.
- ***Grimes street**, So. B.; from West Seventh street to West Eighth street; laid out, April 8, 1878. L 1300.
- Grinnell street**, Rox., 1848; from Columbus avenue to Walpole street.
- Grosvenor place**, Rox., 1868; from Washington street to Cliff street; name of Lincoln place changed to Grosvenor place, April 21, 1868.
- Groton court**, B., 1841; from Shawmut avenue, east; extended to Washington street, and called Groton street, 1842.
- ***Groton street**, B., 1826; from Washington street to Shawmut avenue; from Tremont street to Suffolk street (now Shawmut avenue), 1826; accepted, 1826; named, Sept. 15, 1834; extended to Washington street through Groton court, 1842; accepted, Dec. 7, 1857; part between Shawmut avenue and Tremont street named Dwight street, April 19, 1859. L 2372.
- Grotto glen**, Rox., 1871; from Day street, westerly.
- Grouse street**, W. Rox.; from Washington street to Huron street.
- Grove court or place**, B., 1846; from Myrtle street, at the head of Grove street; called Grove square, 1856.
- Grove place**, B., 1848; from Grove street, west, near Phillips, formerly Southac street.

- *Grove place, B.**, 1851; from May (now Revere) street to Myrtle street; accepted and laid out as a highway, Oct. 27, 1851; no other record; same as Myrtle court, through which Myrtle street was extended to Revere (then May) street in 1851.
- Grove place, B.**, 1857; from Grove street, west, near Cambridge street.
- Grove place, Dor.**; from Lawrence avenue.
- *Grove street, B.**, 1729; from Cambridge street to Myrtle street; from Cambridge street, southerly, across Southac (now Phillips) street and May (now Revere) street, 1729; near the new bridge from Cambridge to the Mount, 1800; from Cambridge street to Pinckney street, 1807; confirmed as a public street, Sept. 15, 1834; from Cambridge street to Myrtle street, 1851.
- Grove street, Rox. and Dor.**, 1846; from Blue Hill avenue to Lawrence avenue.
- *Grove street, W. Rox.**; from Centre street to Dedham line; from Norfolk and Bristol turnpike (now Washington street) to Mill Village, Dedham; laid out, September, 1829; from Norfolk and Bristol turnpike, opposite new road to Mill Village, Dedham, to old post road to Boston; laid out and confirmed as a public highway, April, 1833. L 1567.
- Grove street, W. Rox.**, 1871; from Gardner street; laid out with the name of Morrison street, Nov. 11, 1881.
- *Grove square, B.**, 1856; from Myrtle street, southerly, opposite Grove street; called Grove court or place in 1846.
- Grove terrace, B.**, 1879; from Grove street, west, between Phillips street and Cambridge street.
- Groveland street, Dor.**, 1895; from River street to Manchester street, authority to open given by Street Commissioners, May 20, 1895.
- *Grove Hall avenue, Rox. and Dor.**, 1851; from Dudley street to Seaver street; part of East street, from Eustis (now Dudley) street, to Warren street, called Grove Hall avenue, Dec. 8, 1851; name of Brush Hill turnpike changed to Grove Hall avenue, Jan. 28, 1867; Grove Hall avenue from Dudley street to Seaver street, and Brush Hill avenue from Seaver street to Mattapan, named Blue Hill avenue, Oct. 25, 1870. L 489, L 490, L 491.
- Grover avenue, W. Rox.**; from Neponset avenue, near Canterbury street to Florence street.
- Guernsey street, W. Rox.**; from Centre street, crossing South street, to Central Station.
- Guild row, Rox.**, 1857; from Dudley street to Washington street; part of Bartlett street named Guild row, Dec. 28, 1857; same made a part of Washington street, June 16, 1874. L 504.
- *Guild row, Rox.**, 1874; from Roxbury street to Dudley street; early called Winslow street, and Shawmut avenue extended through, Dec. 28, 1857; named Guild row, June 16, 1874. L 2222.
- *Guild street, Rox.**, 1865; from Washington street to Lambert avenue; laid out and extended to Lambert avenue, Dec. 6, 1870. L 582.
- *Guilford street, Bri.**, 1886; from Saunders street to Pomeroy street; laid out from Saunders street to Orchard (now Pomeroy) street, Oct. 15, 1886. L 1954.
- *Gurney street, Rox.**, 1870; from Tremont street to Parker street; laid out, Sept. 11, 1882. L 1637.
- *Gustin street, So. B.**; from West Ninth street to O. C. (now N. Y., N. H. & H.) R.R.; Morni court laid out as Gustin street, Oct. 13, 1891. L 2348.
- Gustine avenue, Dor.**; from King street to Rosemont street.

- *H street**, B., 1863; from Tremont street to Berkeley street; accepted, conditionally, Nov. 24, 1865; accepted finally and name changed to Chandler street, April 28, 1866.
- *H street**, So. B., 1805; from East First street to East Ninth street, with proposed extension to line in "Old Harbor;" laid out from the salt water on the south to the harbor of Boston on the north and named, Feb. 27, 1805; laid out from First (now East First) street to Harbor line in Dorchester Bay, Nov. 17, 1868. Vol. 31, p. 48.
- H-street place**, So. B.; from H street, west, between Emerson street and East Broadway.
- Habestrohe place**, W. Rox.; from Lamartine street, south-east, near Boylston street.
- *Hadley street**, Chsn., 1880; from Parker street to Somerville line; shown as an unnamed street on a plan dated 1878; laid out, Oct. 11, 1880. L 1500.
- Hadwin way**, W. Rox.; from Hyde Park avenue, near Ashland street.
- *Hagar street**, W. Rox.; from Eliot street to Thomas street; laid out, Oct. 26, 1887. L 2035.
- Halborn street**, Dor.; from Delhi street to West Selden street.
- Hale's court**, Dor.; from Adams street, north-east, between Linden street and East street; also called Hall's court; laid out from Adams street to Dorchester avenue with the name of Hecla street, Aug. 30, 1892. L 2426.
- Half-court square**, B.; Half-square court, from King (now State) street, south, so called in 1798.
- Half Moon place**, B., 1848; from Broad street, west, nearly opposite Wharf street; Humphrey place laid out and extended through Half Moon place to Broad street and name changed to Wendell street, Dec. 30, 1870. L 460.
- Half-Moon street**, Dor., 1895; from Magnolia street to Hooper avenue; authority to open given by Street Commissioners, Aug. 7, 1895.
- Half-square court**, B., 1708; the way leading from King (now State) street to Pudding lane (now Devonshire street) in 1708; called also Half-court square in 1798, the way round the buildings back of the Post-Office, 1800; called Salter's court, 1808; extended east to Congress street, 1810; called Exchange square, 1818; a part called Congress square, 1821; parts discontinued, 1832, 1842; a part called Story place, 1845; all named Congress square, 1873.
- Half place**, B., 1849; from Hanover street, south-easterly, near Cross street.
- Hall place**, B.; from Hanover street, south-east, between Richmond street and Board alley.
- Hall place**, So. B.; from East Fifth street, south, between L street and Pickering place.
- *Hall street**, W. Rox., 1870; from South street, east, to near B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 1, 1887. L 2041.
- *Halleck street**, Rox.; from Station street to Ruggles street; shown as an unnamed street on a plan dated 1856; laid out from Station street to Ward street, Dec. 30, 1869; from Ward street to Ruggles street, Sept. 4, 1871. L 505, L 672, L 699, L 1889.
- Hallowell's corner**, B., 1732; corner Milk street and Batterymarch street then so called; called Hollawaye's corner, 1708.
- Hall's (Dr.) corner**, B., 1800; corner Dock square and Wing's lane (now Elm street) then so called.
- Hall's court**, Rox.; from Washington street, north-westerly, opposite Warren street.

- Hall's court**, Dor.; from Adams street, north-east, between Linden street and East street: shown as an unnamed court on a plan dated 1861; also called Hale's court; laid out from Adams street to Dorchester avenue with the name of Hecla street, Aug. 30, 1892. L 2426.
- Hamblen street**, Chsn.; from Temple street, north-easterly, nearly to Mystic River; shown as an unnamed street on plan dated 1851; from Arlington avenue, near Dorrance street, by Directory.
- *Hamburg street**, B., 1843; from Mystic street to Harrison avenue; accepted, conditionally, Nov. 4, 1857; laid out, July 10, 1861; accepted, finally, Sept. 25, 1861. L 224, L 231.
- Hamburg street**, E. B.; from Decatur street to proposed part of Marion street; shown as from Maverick street to Bennington street on a plan dated 1845.
- *Hamerton street**, Rox.; from Crawford street to Humboldt avenue; laid out from Crawford street to Harold street, Dec. 1, 1892; from Harold street to Humboldt avenue, Oct. 12, 1893. L 2466, L 2549.
- Hamilton alley**, B., 1820; from Batterymarch street to Wendell street.
- Hamilton avenue**, B., 1823; from Broad street to Hamilton (now Batterymarch) street; called Quincy lane in 1822; closed.
- Hamilton avenue**, Dor., 1872; from Bowdoin street to Columbia street; also called Hamilton street; laid out with the name of Barrington street, Oct. 21, 1889. L 2181, L 2182.
- Hamilton court**, B., 1827; from Hamilton street, near Wendell street; formerly called Hamilton lane; a part included in Franklin street, and the remainder built over.
- Hamilton court**, Chsn.; from Main street, westerly, nearly opposite Albion place.
- Hamilton lane**, B., 1820; from Hamilton street to Broad street; the south part closed in 1827; the part opening from Hamilton street called Hamilton court; a part later included in Franklin street and the remainder built over.
- Hamilton place**, B., 1806; from Common (now Tremont) street, easterly, opposite Park street.
- *Hamilton street**, B., 1807; from Batterymarch street to High street; called Sconce lane, 1708; Sconce street, 1784; Hamilton street, 1807; confirmed as a public street, Sept. 25, 1834; name changed to Batterymarch street, March 1, 1896. L 332, L 333, L 457, L 458, L 922.
- Hamilton street**, W. Rox., 1870; from Clarence (now Gould) street to Charles street, near Charles river.
- Hamlen place**, B., 1844; from Pleasant street, near Tennyson street, west; called Cole's place, 1839; and then extended to Church street; called Hamlen place, 1844.
- Hamlet street**, Dor., 1871; from Boston street to Belden street.
- Hamlin street**, So. B., 1860; from East Eighth street to East Ninth street, between G street and H street.
- Hammatt road**, W. Rox.; from Hyde Park avenue to Ashland street.
- *Hammett street**, Rox.; from Grinnell street to Sarsfield street; formerly Hammett avenue; laid out, Nov. 15, 1892. L 2457.
- *Hammond avenue**, B., 1850; from Chambers street to Leverett street; a passageway four and one-half feet wide, pronounced a public way, Oct. 18, 1847; laid out again, Oct. 30, 1848; called Steele's court, 1849; Hammond avenue, April 1, 1850.
- Hammond park**, B. and Rox., 1867; from Shawmut avenue to Tremont street; later called Hammond street. L 189.
- Hammond square**, B. and Rox., 1865; from Shawmut avenue to Tremont street; later called Hammond park and Hammond street.

- *Hammond street**, B. and Rox., 1868; from Shawmut avenue to Tremont street; called Hammond square, 1865; Hammond park, 1867; laid out, July 28, 1868. L 189, L 382, L 442, L 659, L 1711.
- Hammond terrace**, B.; from Hammond street, north-east, then north-west, to Smith avenue.
- Hampden place**, Rox., 1876 from Hampden street, westerly, between Prescott street and Norfolk avenue; name of Perry court changed to Hampden place, May 9, 1876.
- *Hampden street**, B. and Rox., 1868; from Albany street to Dudley street; probably laid out by County Commissioners in April, 1839; named East street, August, 1842; Hampden street, April 21, 1868. L 719.
- Hampshire court**, Rox.; from Hampshire street, south-east, then south-west, to Vernon street.
- Hampshire place**, Rox.; from Hampshire street.
- *Hampshire street**, Rox., 1868; from junction of Cabot street and Ruggles street to Clay (now Linden Park) street; name of Orange street, between Clay street and Cabot street, changed to Hampshire street, April 21, 1868; laid out from Clay street to Vernon street, July 15, 1871; from Vernon street to Culvert street, July 31, 1886: L 630, L 1924.
- Hampstead road**, W. Rox., 1895; from Arborway, northerly, then westerly, near South street; authority to open given by Street Commissioners, Nov. 13, 1895, and June 20, 1896.
- Hampton court**, B., 1870; from Northampton street, south-westerly, between Washington street and Shawmut avenue; named, June 14, 1870.
- Ham's court**, Chsn.; from Main street, westerly, towards Rutherford avenue; shown as an unnamed street on a plan dated 1849; laid out from Main street to Canal street (now Rutherford avenue), Dec. 6, 1869; discontinued, July 21, 1871; laid out from Main street to Rutherford avenue, with the name of Mishawum street, July 23, 1894.
- *Hancock avenue**, B., 1828; from Beacon street by the west side of the State House to Mt. Vernon street; same in 1827; named Jan. 21, 1828; also called State House avenue.
- *Hancock bridge**, B., 1793; from the foot of Cambridge street to Cambridge; called also West Boston bridge.
- Hancock place**, B., 1823; from Belknap (now Joy) street, east; between Beacon street and Mt. Vernon street; name changed to Mt. Vernon place in 1829.
- Hancock place**, B.; from Blossom street, west, between Cambridge street and Parkman street.
- Hancock row**, B., 1826; from Marshall street to Creek square.
- *Hancock square**, Chsn., 1870; junction Main, Essex, Eden, and South Eden streets, and Tibbet's Town way; named, Nov. 15, 1870.
- Hancock street**, B., 1788; from Cambridge street to Mt. Vernon street; called Davis lane and Turner street at some time previous to 1732; called George street, 1732; street from Beacon street in the Common by Governor Hancock's, running northward over the hill from his garden down to Cambridge street, called Hancock street, 1788. L 1505, L 2105.
- *Hancock street**, Dor., 1840; from Dudley street, at Upham's corner, to Eaton square, at junction of Adams street and Bowdoin street. L 737, L 1788, L 2206, L 2536.
- Hancock street**, W. Rox., from Ashland street to Florence street; laid out with the name of Sherwood street, Oct. 25, 1886. L 1956, L 1957.

- ***Hancock street**, Chsn., 1854; from Green street to Elm street; laid out and accepted, Nov. 28, 1854.
- ***Hanley square**, Rox.; at the junction of Roxbury street and Pyncheon street (now Columbus avenue) so named, March 5, 1891.
- †**Hano street**, Bri.; from Braintree street to Cambridge street; laid out, July 14, 1891, from Braintree street, south-westerly, about 500 feet. L 2313.
- ***Hanover avenue**, B., 1829; from Hanover street to North street; called Methodist alley from North (now Hanover) street to Ship (now North) street, 1796; name changed to Hanover avenue, Aug. 24, 1829. L 1022, L 1149.
- Hanover court**, B., 1825-48; from Hanover street, north-west, between Friend street and Union street; closed.
- Hanover place**, B., 1827; from Hanover street, north-west, between Cross street and Parmenter street; called Robinson's court, 1821; Robbin's court, 1822; North Hanover court or place, 1825; Hanover place, 1827.
- ***Hanover square**, B.; corner Newbury (now Washington) street and Essex street; so called previous to 1765.
- ***Hanover street**, B., 1708; from Court street to Chelsea ferry; the part from Queen (now Court) street to Wing's lane (now Elm street) called Orange Tree lane previous to 1708; called Hanover street, from Court street to the Mill bridge, 1708; the street running from Court street through Hanover, Middle, and North streets, to the ferryways, named Hanover street throughout, July 6, 1824; discontinued from Commercial street to Winnisimmet ferry, 1836; laid out again from Commercial street to Chelsea ferry, April 5, 1886. Vol. 31, p. 37. L 9, L 14, L 37, L 66, L 86½, L 89, L 100, L 326, L 421, L 422, L 479, L 480, L 481, L 482, L 531, L 533, L 559, L 591, L 797, L 978, L 1149, L 1903, L 2209.
- ***Hanson street**, B., 1834; from Shawmut avenue to Tremont street; laid out on the Neck, July 24, 1826; third of new cross streets at southerly part of the city, extending from Tremont street to Suffolk street (now Shawmut avenue); called Hanson street, Sept. 15, 1834, accepted and laid out, Oct. 17, 1855. Vol. 31. pp. 66, 86.
- †**Harbor View street**, Dor., 1870; from Dorchester avenue, crossing the O. C. (now N.Y., N. H. & H.) R.R. to the pumping station; laid out from Dorchester avenue to Sydney street, July 6, 1892. L 2410, L 2411.
- Harbor view**, E. B.; Coleridge street, between Byron street and Harmony street; Coleridge street, between Moore street and Wordsworth street.
- ***Harcourt street**, B., 1882; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 27, 1832. L 1682.
- Harding court**, So. B.; from Gold street, south-westerly, near D street, to West Fifth street.
- Harlaem or Harlem place**, B., 1822; from Newbury (now Washington) street, west, near and south of West street; rear part now discontinued, and remainder apparently now without name.
- Harlem street**, Dor., 1895; from Blue Hill avenue to Norfolk street; between Hosmer street and Evelyn street; authority to open given by Street Commissioners, Nov. 23, 1895.
- Harleston street**, Rox.; from Parker Hill avenue to Hillside street.
- ***Harley street**, Dor., 1873; from Welles avenue to Roslin street; laid out, July 31, 1873. L 886.
- Harlow street**, Dor., 1873; from Woodward park (now Folsom street), north-westerly, crossing Howard avenue; street leading south-easterly from Howard avenue, named Harlow street, Nov. 26, 1873.

- Harmony court**, B., 1841; from Canal street, south-west, near Market street; built over about 1872.
- Harmony place**, E. B.; from Lexington street, south-easterly, between Meridian street and Marion street.
- Harmony street**, E. B.; from Bennington street to Auburn street, with proposed extension to proposed part of Coleridge street; shown as an unnamed street on a plan dated 1838.
- †**Harold street**, Rox., 1886; from Walnut avenue to Seaver street; part between Crawford street and Homestead street formerly called Naseby street, laid out and named Harold street, March 10, 1886; part between Homestead street and Hutchings street laid out, April 20, 1888; between Townsend street and Harrishof street, June 21, 1890; between Townsend street and Munroe street, Oct. 7, 1890; between Crawford street and Harrishof street, June 12, 1891; authority to open from Monroe street to Walnut avenue given by Street Commissioners, Oct. 1, 1895. L 1901, L 2068, L 2176, L 2234, L 2264, L 2297, L 2298.
- Harriet street**, Bri.; from Parsons street, westerly, near Arlington street.
- Harrington avenue**, Rox.; from Centre street, north-westerly, near Gardner street; shown as an unnamed court on a plan dated 1867.
- ***Harris avenue**, W. Rox., 1852; from Centre street to Alveston street; called Harris place on a map of Roxbury dated 1843-49; accepted, Oct. 31, 1854; laid out from Austin (now Centre) street, easterly, Nov. 13, 1854.
- Harris corner**, B., 1708; cor. Hanover street and Cold lane (now Portland street) then so called.
- Harris place**, W. Rox.; from Centre street to Alveston street; Harris avenue, so called on a map of Roxbury dated 1843-49.
- ***Harris street**, B., 1868; from Hanover street to North street; called Whitebread alley, 1708; Bartlett street, 1826; Harris street, April 21, 1868.
- †**Harrishof street**, Rox.; from Walnut avenue to Warren street; laid out from Walnut avenue to Harold street, June 21, 1890; from Harold street to Humboldt avenue, Dec. 23, 1893; authority to open part between Humboldt avenue and Warren street given by Street Commissioners, May 4, 1892. L 2233, L 2574.
- ***Harrison avenue**, B. and Rox., 1841; from Bedford street to Warren street; part from Essex street to the sea called Rainsford lane, 1708; part from Beach street to South Boston bridge (now Dover street) called Front street, 1805; Front street extended to Essex street, through Rainsford's lane, 1825, and from South Boston bridge to Northampton street, 1834; name of Front street changed to Harrison avenue, April 26, 1841; Plymouth street, from Northampton street to Roxbury line, accepted and name changed to Harrison avenue, Aug. 9, 1859; extended to Warren street, Nov. 11, 1870; extended from Essex street to Bedford street, over Brimmer place, part of Chickering place and part of Norfolk place, July 6, 1881. Vol. 19, p. 123; Vol. 31, p. 56. L 150, L 162, L 173, L 1734, L 212, L 214, L 260, L 432, L 456, L 571, L 572, L 573, L 587, L 868, L 1021, L 1195, L 1331, L 1353, L 1447, L 1491, L 1492, L 1512, L 1517, L 1526, L 1527, L 1554, L 1555, L 1598, L 1729, L 1951, L 2117, L 2520, L 2558, L 2584.
- Harrison park**, Dor.; from Beach street, easterly.
- Harrison place**, B., 1840; from Friend street, south-west, near Causeway street; now built over.
- Harrison place**, Chsn.; from Russell street, north-easterly, near Walker street.

- Harrison street**, Dor., 1846; from Lawrence street, north-east, crossing Quincy street; called "Myrtle street, formerly Harrison street," on plan dated 1869.
- Harrison street**, Dor.; from Ashland street, crossing Greenhill street; laid out from Greenhill street to Capen street, and name changed to Blanche street, July 21, 1885, L 1873.
- Harrison street**, W. Rox.; from Florence street, north-easterly to the B. & P. (now N. Y., N. H. & H.) R.R.
- Harrod's corner**, B., 1782; corner Prince street and Salem street then so called.
- Hart place**, So. B.; from East Eighth street, northerly, between K street and L street.
- Hart street**, W. Rox.; from Baker street to Prospect street.
- Hartford place**, B., 1819; from High street, south-east, near Pearl street.
- Hartford place**, Dor.; from Washington street, westerly, to land of N. E. R.R., near Mt. Bowdoin station; now Lynnville terrace.
- *Hartford street**, B., 1869; from Purchase street to Wendell street; laid out between Purchase street and High street, including Purchase place, July 23, 1869; name of Quincy place, from High street, in continuation of Hartford street to Pearl place (now Wendell street), changed to Hartford street, March 1, 1882. L 464, L 465, L 836, L 922, L 2283.
- *Hartford street**, Dor., 1869; from Howard avenue to Wayland street (formerly Howard place); laid out, Aug. 12, 1869. L 1835, L 2283.
- Hartford terrace**, Dor.; from Hartford street, north-easterly, near Howard avenue.
- *Hartland street**, Dor.; from Saxton street to Sydney street; laid out, June 5, 1895. L 2702.
- *Hartopp place**, Rox., 1850; from Albany street, at its junction with Dearborn street, to Chadwick street, at Orchard park; laid out from Dearborn street to Orchard park, Dec. 13, 1870; called Hartopp street in an atlas dated 1884; name changed to Ambrose street, March 1, 1886. L 535.
- Hart's avenue**, Bri., 1857; from Allston street, south-easterly, curving to Harvard street (now Harvard avenue); closed.
- Hart's yard**, Chsn.; from Lawrence street, south-westerly, between Austin street and Benedict street.
- *Hartwell street**, Rox.; from Schuyler street to Georgia street (formerly Georgia avenue); laid out, July 28, 1892. L 2419.
- Harvard alley**, B., 1820-27; from School street, westerly, by the Universalist church, to Harvard place; closed.
- Harvard avenue**, Dor.; from Harvard street, northerly, near Washington street.
- *Harvard avenue**, Bri., 1873; from Cambridge street, opposite Franklin street, to Brookline line; previous to 1846 called Cedar street; named South Harvard street, Nov. 10, 1846; name changed to Harvard avenue, Dec. 30, 1873. L 2664.
- Harvard court**, B., 1831; from Harvard street, southerly, between Washington street and Harrison avenue; built over.
- Harvard place**, B., 1820; from Washington street, westerly, opposite the Old South church.
- Harvard place**, Chsn.; from Harvard street, westerly, between Bow street and Washington street.
- Harvard place**, Bri., 1873; from Washington street, southerly, between Chestnut Hill avenue and Dighton place.

- ***Harvard square**, Chsn.; from Harvard street east, then south, then west to Harvard street again.
- ***Harvard street**, B., 1732; from Washington street to Albany street; called Hollis street (from Orange street, east, to the sea) in 1731; called Harvard street in 1732; extended east to Lincoln street, and probably included Thaxter place, 1836; accepted between Harrison avenue and Albany street, July 10, 1848.
- Harvard street**, B., 1732; from Orange (now Washington) street, running north-westerly by the new church; soon after and now called Hollis street.
- ***Harvard street**, Dor., 1840; from Washington street, opposite Bowdoin street, to Hyde Park line, named from Four corners, by Samuel B. Pierce's to Brush Hill turnpike (now Blue Hill avenue), March 11, 1840; Back street, from Blue Hill avenue to Hyde Park line, changed to Harvard street, March 1, 1896. L 1677, L 1731, L 2022, L 2325, L 2446.
- ***Harvard street**, Chsn., 1836; from City square to Main street, name of Town Hill street changed to Harvard street, Nov. 7, 1836.
- ***Harvard street**, Bri., 1825; from Cambridge street to Brookline line; at one time called Old Road to Cambridge; called South Harvard street, 1846; name changed to Harvard avenue, Dec. 30, 1873.
- Harvard Hill**, Chsn., 1875; between Harvard street, Main street, and City square.
- ***Harvest street**, Dor.; from Boston street to Dorchester avenue; laid out, Aug. 25, 1891. L 2327, L 2717.
- Harvest street**, Dor.; from Willowwood street, west, near Lauriat avenue; shown on atlas of 1894.
- ***Harwich street**, B., 1879; from Dartmouth street to Yarmouth street; laid out Nov. 6, 1879. L 1399.
- Harwood street**, W. Rox., 1893; from Weld street to Lasell street; authority to open given by Street Commissioners, March 5, 1895.
- Harwood street**, Dor.; from Willowwood street, west, near Lauriat avenue; shown on atlas of 1894.
- ***Haskell street**, Bri.; from Coolidge street to Holland road (now Hooker street); Haskell road laid out with the name of Haskell street, Aug. 24, 1892. L 24, L 27.
- Haskins street**, B., 1803-14; Carver street, from Eliot street to Pleasant street then so called.
- ***Haskins street**, Rox., 1886; from Ruggles street to Vernon street; Belmont street laid out, with the name of Haskins street, July 31, 1886. L 1925.
- ***Hastings street**, W. Rox.; from Centre street to Carl (now Montview) street; Henshaw street laid out with the name of Hastings street, June 13, 1892. L 2401.
- Hathaway street**, B.; from Summer street extended to Congress street.
- Hathaway street**, Bri.; from Market street, easterly, towards Sparhawk street; included in the laying out of Henshaw street.
- Hathaway street**, W. Rox.; from South street to Centre street.
- Hathon square**, Chsn., 1878; from Main street, south-easterly, near School street; name of Main-street court changed to Hathon square, April 24, 1878.
- Hatter's square**, B., 1823; a part of Creek square at one time.
- Haugh's corner**, B., 1708; corner Marlboro' (now Washington) street and School street then so called.
- Hautvale street**, W. Rox., 1871; from Poplar street, north-westerly near Beech street.

Haven avenue, Dor.; from Blue Hill avenue to Oakland street.

Haven place, B., 1860; from Shawmut avenue, west, between Rutland street and Newton (now West Newton) street; closed.

***Haven street**, B., 1847; from Shawmut avenue, easterly, then southerly, to Rutland street; located, Oct. 28, 1861. L 233.

Haven street, E. B. (Breed's Island); from Ashley avenue to Riverside avenue; Bromley's atlas, 1892.

***Haverhill street**, B., 1807; from Haymarket square to Causeway street; laid out over the Mill-pond, Aug. 3, 1807; extended to Warren bridge in 1829; the causeway leading from Causeway street to Warren bridge accepted and declared a public highway and continuation of Haverhill street, Oct. 8, 1838. L 277.

***Haverhill street**, Chsn., 1858; from Main street to Perkins street; laid out, Dec. 24, 1868.

Havey street, W. Rox.; from Dudley avenue.

***Haviland street**, Rox.; from West Chester park (now Massachusetts avenue) to Parker street; laid out, May 2, 1889. L 2127.

Havre court, E. B.; from Havre street, north-westerly, near Sumner street.

***Havre street**, E. B., 1833; from Sumner street to Bennington street; part between Meridian street and Porter street accepted and laid out, conditionally, June 14, 1852; street accepted, Nov. 22, 1852; between Marion street and Bennington street accepted, April 23, 1861. L 675, L 2123, L 2502, L 2718.

Hawes avenue, Dor., 1836; from Washington street to Bowdoin avenue.

***Hawes street**, B., 1828; from Congress street to Kilby street; an unnamed lane shown in same place on Bonner's map of 1722; street near the Post-Office named Hawes street, Dec. 15, 1828; confirmed as a public street, Sept. 15, 1834.

Hawkins place, B., 1857; from Hawkins street; cannot be identified.

***Hawkins street**, B., 1732; from Sudbury street to Chardon street; from Cambridge street, north, then east, to Sudbury street, 1732; sometimes called Tattle street, 1756-84, and, according to Drake, commonly so called in 1800; from Sudbury street, west, "round to Chardon's," 1784; from Bowdoin square, easterly, to Nath. Hall's house, and from thence to Sudbury street, 1788; the part running north from Cambridge street (Bowdoin square), called Chardon lane, 1795; from Sudbury street, west, to Distill-House square (now Bowker street), 1800. Vol. 31, pp. 81, 89. L 34, L 92.

Hawley place, B., 1821-52; from Hawley street to Marlboro' (now Washington) street, opposite Bromfield lane (now Bromfield street); closed.

Hawley place, B.; from Hawley street to Arch street, between Franklin street and Milk street.

***Hawley street**, B., 1799; from Milk street to Summer street; called Bishop's alley in 1708; Board alley in 1792; called also Gilbert's alley, Richardson's alley and Wybourne's lane at an early date; name of Bishop's alley changed to Hawley street, Dec. 10, 1799. L 631, L 819.

Hawthorn place, B., 1852; from Washington street, north-westerly, near Dover street.

***Hawthorn street**, Rox., 1855; from Cedar street to Highland street; shown as Copeland street on a plan dated 1843; accepted, conditionally, from Cedar street to Ellis street, Sept. 3, 1855; accepted and named, from Cedar street to Highland street, Dec. 19, 1859. L 499.

Hawthorne avenue, Rox., 1857; from Washington street, south-easterly, between Cliff street and St. James street.

- †**Hawthorne street**, W. Rox., 1851; from Florence street to Sycamore street, south-east of Heathcote street; laid out from Florence street to Albion (now Sycamore) street, Oct. 14, 1875; authority to open part south-east from Sycamore street given by Street Commissioners, Sept. 6, 1894. L 1082.
- Hawthorne street**, B.; name given without authority to Canton street, west of Tremont street, in 1864.
- Hayden place**, Rox.; from Cottage place, south-westerly; included in the extension of Columbus avenue, Jan. 4, 1895.
- Hayden place**, So. B.; from Silver street, south-westerly, between B street and C street; part of what was formerly Parker's alley.
- ***Hayden street**, Rox., 1886; from Fisher avenue to Lawn street; Short street laid out and named Hayden street, July 28, 1886. L 1914.
- Hayden terrace**, Rox.; from Washington street, north-westerly, near Bartlett street.
- Haydn street**, W. Rox.; from Washington street to Nikisch avenue.
- Haymarket, The**, B., 1789; on Tremont street, between West street and Mason street.
- Haymarket place**, B., 1806; from Sheafe's lane (now Avery street), southerly.
- ***Haymarket square**, B., 1839; at the junction of Merrimac, Canal, Haverhill, Charlestown, Cross, Blackstone, Union, and Washington streets; at junction of Merrimac, Charlestown, Blackstone, and Union streets, in 1839; parts of Canal, Market, and Charlestown streets and land of B. & M. R.R. Co. laid out as part of Haymarket square, April 21, 1845.
- Haynes park**, Rox.; from Warren street, opposite Woodbine street.
- ***Haynes street**, E.B., 1868; from Orleans street, south-easterly, then southerly, then south-westerly, to Marginal street; accepted as Centre street, Jan. 25, 1864; name of Centre street changed to Haynes street, April 21, 1868; laid out, June 20, 1873. L 870.
- ***Hayward place**, B., 1822; from Washington street to Harrison avenue; from Newbury (now Washington) street, between Essex street and Bedford street, east, in 1822; laid out from Washington street, Nov. 15, 1875; Harrison avenue laid out, by easterly end of, July 6, 1881. L 1094.
- Hayward place**, Dor.; from Minot street, nearly opposite Sheridan street, to Chickatawbut street.
- Hayward street**, Rox., 1867; from Warren street to Blue Hill avenue; laid out and named Holborn street, Aug. 21, 1883. L 1725.
- Hazel place**, Rox.; from Maywood street, easterly; also called Hazel park.
- ***Hazel street**, W. Rox., 1880; from Rockview street to Enfield street; part of E street, from Rockview (formerly D) street to Enfield street, laid out and named Hazel street, Aug. 28, 1880. L 1473.
- ***Hazelwood street**, Rox.; from Munroe street to Townsend street; laid out, Dec. 5, 1893. L 2563.
- Head place**, B., 1825; from Boylston street, northerly, near Tremont street.
- Head street**, Dor.; from Westville street, south-east, between Bowdoin street and Fredonia street.
- Heath avenue**, Rox.; from Heath street, southerly, then easterly, crossing Heath place.
- Heath avenue**, E. B. (Breed's Island); from Ashley avenue, at junction with Leverett avenue, crossing Jenkins avenue, to Belle Isle Inlet; shown on atlas, 1892.

- *Heath place**, Rox., 1860; from Heath street to Minden street; laid out from Heath street and extended to Walden street, Dec. 15, 1875; part from westerly termination of Minden street, about 115 feet, called Minden street, Aug. 10, 1881; part from Minden street laid out as Posen street, Nov. 16, 1881; part laid out as Arklow street, Nov. 16, 1881; from westerly terminus of Arklow street to Walden street called Arklow street, Nov. 25, 1881; from Minden street to Arklow street, called Ulmer street, Nov. 25, 1881. L 1117, L 1118, L 1404, L 1568, L 1569.
- *Heath street**, Rox., 1825; from Centre street to Tremont street (now Huntington avenue); north branch from Parker street, east, to Centre street, called New Heath street; south branch from Parker street, east, to Pyncheon street (now Columbus avenue) called Heath street. L 478, L 493, L 534, L 617, L 618, L 700, L 1143, L 1524, L 2160, L 2161, L 2162, L 2163, L 2444, L 2504.
- Heath street**, Chsn., 1863; from Bond street, east; not identified.
- Heathcote street**, W. Rox., 1894; from Poplar street, to proposed extension of Hawthorne street; authority to open given by Street Commissioners, Sept. 6, 1894.
- Heavey place**, Rox.; from Pyncheon street (now Columbus avenue), easterly, near New Heath street.
- *Hecla street**, Dor., 1892; from Adams street to Dorchester avenue; Hall's court laid out with the name of Hecla street, Aug. 30, 1892. L 2426.
- Hedge place**, W. Rox., 1849; from Dedham turnpike (now Washington street), north-westerly, parallel with Chemical avenue (now Cornwall street).
- Hefferan place**, Bri.; from No. 152 North Harvard street.
- Helen street**, Dor., 1896; from Talbot avenue to Bernard street; authority to open given by Street Commissioners, May 6, 1896.
- Helena street**, W. Rox.; from Lamartine street, south-easterly, between Clark place and Lawndale terrace.
- Hemlock street**, W. Rox., 1872; from Washington street to junction Roslindale avenue and Bellevue avenue.
- Hemman street**, W. Rox.; from Poplar street to Kittredge street.
- Henchman's lane**, B., 1709; the way leading from Charter street, down by Mrs. Buckley's, into Lynn street, 1708; previously called Declination passage and Day's alley or lane; name changed to Henchman street in 1850.
- *Henchman street**, B., 1850; from Charter street to Commercial street; Henchman's lane, from Charter street to Lynn street, 1708; formerly known as Declination passage or Day's alley or lane; name changed to Henchman street, in 1850. L 281, L 1390.
- Hendee street**, E. B. (proposed); from Cottage street to Shirley street (Wood Island). (Abandoned.)
- Henderson avenue**, So. B.; from East Sixth street, north, between H street and I street.
- Henley's lane**, Chsn.; from Monument square to Warren street; laid out in place of and named Soley street, Dec. 24, 1850.
- Henley place**, Chsn., 1859; from Chelsea street to the Navy Yard; now Henley street.
- *Henley street**, Chsn., 1831; from Harvard square to the Navy Yard; laid out 40 feet wide, 1780; laid out from Main street to Meeting House hill, May 7, 1787; same approved by Town, Sept. 24, 1787; altered, June 23, 1788; continued to Navy Yard, Oct. 5, 1829; named Henley street, from Main street to the Navy Yard, Oct. 3, 1831.

- *Henry street**, E. B.; from Maverick square to Paris street; shown as an unnamed street on a plan dated 1833; accepted, June 4, 1851; formerly called Hotel street.
- Henry street**, Chsn.; from Main street, north-east; plan Middlesex So. Dist. Reg., Book 11, No. 61.
- Henshaw street**, W. Rox.; from Centre street to Carl (now Montview) street; laid out under the name of Hastings street, June 13, 1892. L 2324.
- *Henshaw street**, Bri.; from Market street to Cambridge street; part of formerly Hathaway street; laid out, including Day street, Nov. 6, 1891. L 2356, L 2539, L 2791.
- Henshaw terrace**, W. Rox.; from Corey street, near Centre street, south-west.
- Herbert street**, Dor.; from Clarence place to Park (sometimes called West Park) street.
- †**Hereford street**, B., 1871; from 30 foot street on bank of Charles River, to Boylston street; called Eighth street, on a plan dated 1866; street west of and parallel with Gloucester street from Beacon street to B. & A. R. R., named Hereford street, Nov. 14, 1871; laid out between Beacon street and Marlborough street, June 24, 1875; laid out between Marlborough street and Commonwealth avenue, April 9, 1877; extended from Commonwealth avenue to Boylston street, Feb. 19, 1878. L 862, L 1052, L 1297, L 1585.
- *Herman street**, Rox., 1888; Summit street; laid out from Circuit street to Regent street with the name of Herman street, Dec. 28, 1888. L 2109.
- Heron avenue**, E. B. (Breed's Island); from Ashley avenue, crossing Riverside avenue to the water, shown on atlas, 1892.
- Heron street**, W. Rox.; from Washington street, north-westerly, near La Grange street.
- *Herrick street**, Bri., 1884; from North Beacon street to Hichborn street; laid out, Dec. 26, 1884. L 1844.
- Hersey place**, B., 1845; from Essex street, southerly, near Washington street.
- Hey street**, Dor., 1872; from Haven avenue, north-westerly, crossing Bismarck street and Favre street.
- Hild street**, a park, Rox.; from Walnut avenue, north-westerly, between Circuit street and Rockland street.
- Hilch street**, W. Rox., 1884; from Regent street to Rockland street; laid out, Jan. 14, 1884. L 1751.
- *Hewlett street**, W. Rox., 1893; from Centre street to Walter street; laid out, May 17, 1893; part near Walter street, formerly called Union avenue. L 2511, L 2512, L 2736.
- Hewins street**, Dor.; from Columbia street to Erie street.
- †**Hichborn street**, Bri., 1884; from North Beacon street, north-easterly, easterly, and southerly, to North Beacon street again; laid out from North Beacon street, north-easterly and easterly, to beyond Arthur street, Aug. 27, 1884. L 1806.
- Hickory avenue**, Chsn.; from Jackson street to Ferrin street.
- *High street**, B., 1797; from Summer street and around Fort Hill square to Broad street; called Cow lane from Summer street to Fort Hill, 1708; name of Cow lane changed to High street, May 24, 1797; name of Washington square (around Fort Hill square) and Washington avenue (from Washington square to Purchase street) changed to High street, Dec. 15, 1875. Vol. 19, p. 69; vol. 31, pp. 6, 65. L 25, L 82, L 283, L 343, L 344, L 364, L 365, L 466, L 467, L 626, L 657, L 820, L 844, L 883, L 922, L 2283.

- High street, Rox.**, 1845; from Washington street (later Tremont street and now Huntington avenue), southerly, then south-easterly; later called Highland place, and named Parker Hill avenue, May 3, 1870.
- High street, Rox.**, 1842; from Washington (now Roxbury) street to Orange (now Elmwood) street; name changed to Dunlow street, April 21, 1868.
- *High street, Dor.**, 1856; from Water street to Ericsson street; laid out as a townway, April 2, 1866.
- *High street, Dor.**, 1804; from Highland (now Church) street to Commercial (now Freeport) street; laid out from Highland street, north, by Town, March 27, 1804; named from Meeting House hill by Mr. Stone's to the gun-house, March 11, 1840. L 620.
- High street, W. Rox.**; from Parkway, near and parallel with Rockland street.
- High street, W. Rox.**, 1871; from East street, south-westerly, towards Charles River.
- *High street, Chsn.**, 1799; from Monument square to Walker street; laid out by Selectmen from Green's lane to the Training Field, March 4, 1799; Oliver Holden conveys to Town for public highway, a parcel of land called Gorham street, being a continuation of High street terminating at the west corner of Baptist Meeting House, July 17, 1810; continued to Bolton (now Franklin) street, June 7, 1827; accepted between Franklin street and Walker street, Nov. 28, 1831; laid out and altered, Aug. 21, 1848; name of part from Pleasant street to Monument court changed to Monument square, Feb. 2, 1860; name of part from Monument court to junction of Winthrop street and Adams street changed to Winthrop street, Feb. 2, 1860. L 1211, L 1490, L 2005, L 2434.
- High street, Bri.**; from Dunboy street to Bigelow street.
- High-street court, Rox.**, 1865; see plan Norfolk Reg., L. 338, f. 59.
- High-street court, B.**, 1825; from High street, north-west, between Federal street and Atkinson (now Congress) street; called High-street place, 1828.
- High-street court, B.**, 1844; from High street, south-east, near Vinton square, 1844; at some time previous to 1879 called street place, between Hartford street and Oliver street.
- High-street place, B.**; from High street, south-easterly, between Hartford street and Oliver street; called High-street court in 1844.
- *High-street place, B.**, 1828; from High street to Matthews street; called High-street court (from High street, north-westerly) in 1825; name changed to High-street place, 1828; laid out and extended to Matthews street, Sept. 1, 1871. L 365, L 718, L 774.
- *Highgate street, Bri.**, 1893; from Cambridge street to Farrington avenue; Highland avenue laid out from Cambridge street, and extended to Farrington avenue, with the name of Highgate street, Nov. 23, 1893. L 2553.
- *Highland avenue, Rox.**, 1859; from Centre street to Lewis park; laid out, Nov. 16, 1869. L 494, L 495.
- Highland avenue, Bri.**, 1871; from Cambridge street, south, between Linden street and Harvard avenue; laid out and extended to Farrington avenue with the name of Highgate street, Nov. 23, 1893, L 2553.
- Highland avenue, W. Rox.**; from Walnut street to Blue Hill avenue; shown on atlas, 1874; now included in Franklin Park.
- Highland avenue, W. Rox.**, 1851; from Centre street, north-west, near Allandale street; now closed.

- Highland avenue, Dor.;** from Minot street, south-easterly, opposite Narragansett street; shown as an unnamed court on a plan dated 1868.
- Highland park, Rox.,** 1863; from Fort avenue, south-westerly, near Highland street.
- *Highland Park avenue, Rox.,** 1871; from Fort avenue to Highland Park street; laid out, Nov. 23, 1878. L 1337.
- †Highland Park street, Rox.,** 1871; from Fort avenue, north-easterly, crossing Highland Park avenue; laid out from Fort avenue to Highland Park avenue, Nov. 23, 1878. L 1337.
- Highland place, Rox.;** from Highland street, east, between Eliot square and Norfolk street.
- Highland place, Rox.;** from Tremont street (now Huntington avenue), southerly; called High street on a map of Roxbury dated 1843-49; name changed to Parker Hill avenue, May 3, 1870.
- Highland Spring square;** junction of Parker street and Heath street; named, June 8, 1894.
- *Highland street, So. B.,** 1860; from Eighth (now East Eighth) street to Jenkins street; accepted, July 5, 1860; name changed to Lowland street, April 21, 1868; name of Lowland street changed to Mercer street, March 1, 1888. L 191, L 192.
- *Highland street, Rox.,** 1825; from Eliot square, south-westerly, then north-westerly, to Centre street; accepted, July 15, 1850. L 373.
- Highland street, Dor.;** from High street, opposite Church street, to East street; acceptance from East street to Church street left with Selectmen, April 5, 1852. L 787.
- Highland street, W. Rox.,** 1849; from Farrington (now Rutledge) street to Martin street; called so in an atlas dated 1874; called Wren street, 1884.
- Highland terrace, Rox.;** from Highland avenue, near Lewis park, south-west.
- High rock avenue, Bri.;** from Webster street, westerly; also called High Rock way.
- Hilburn street, W. Rox.,** 1870; from Poplar street to Metropolitan avenue.
- Hilth place, B.;** from Washburn place, south-east, between Charter street and Hull street; from 1846-74 a part of Washburn place.
- Hilth street, Dor.;** from Norfolk street, at junction with Morton street, to north-west of Alma street.
- Hill avenue, Bri.;** from Franklin street, near Pleasant (now Holton) street; given in an atlas of 1875 as a part of Otis street; no record of change of name; shown as an unnamed street on a plan dated 1869; laid out from Franklin street to Mansfield (formerly Otis) street with the name of Easton street, Sept. 10, 1889. L 2165.
- Hill place, So. B.;** from East Third street, near corner of L street, south.
- Hill street, B.,** 1733; from May (now Revere) street, south, between Grove street and Southac (now West Cedar) street; laid out on the land at West Boston, near the new bridge, running north and south to the Mount and near the Ropewalks, 1800; since closed.
- Hill street, B.,** 1788; from Middlecot (now Bowdoin) street round the bottom of Beacon Hill into Hancock street, opposite Mr. Austin's Ropewalk, 1788; name changed to Derne street in 1806.
- Hill street, B.;** the westerly end of Myrtle street was so called on Hale's plan in 1814.
- *Hill street, Chsn.,** 1848; from Webster (now Sackville) street, to Sheafe street, in Bromley's atlas of 1885; laid out from Sackville street and extended to Cook street, July 5, 1890. L 2240.

- Hill street**, W. Rox., 1872; from Cornell street, north, between Berry street and Newbury street.
- Hill street**, Bri.; from Market street to Murdock street; part from Murdock street to George street laid out with the name of Elmira street, Nov. 10, 1893.
- Hill's court**, B., 1867; from Revere street, northerly, opposite Myrtle street; probably formerly Sherman place; now Bellingham place.
- Hill's lane**, B., 1733; from Essex street, south, about where Lincoln street now is; shown on Price's map, 1769.
- Hillcrest street**, W. Rox.; from Elgin street, south-westerly, across Temple street.
- Hiller's lane**, } B., 1708; the new way leading from Mr. Pollard's corner
Hillier's lane, } in Brattle street (now square) through Mr. Belknap's yard into Queen (now Court) street; called also Gay alley and Belknap's alley; Brattle street extended through it to Court street, 1820.
- Hillsdale street**, Dor.; from Adams street, north-westerly, opposite Cedar Grove Cemetery.
- Hillside avenue**, Rox., 1845; from Tremont street (now Huntington avenue) to Hillside street; on a plan in Norfolk Registry it is spoken of as a street "formerly Garden street;" laid out with the name of Wait street, Oct. 24, 1882. L 1659.
- Hillside avenue**, Rox., 1845; from High street (now Parker Hill avenue), east; Hillside street so called on a plan in Norfolk Registry.
- Hillside avenue**, W. Rox., 1870; from Poplar street to Clarendon avenue.
- *Hillside avenue**, W. Rox., 1865; from Revere street to Seaverns avenue; accepted "as laid out by Selectmen;" extended to Green street and named Elm street, July 25, 1868.
- Hillside avenue**, W. Rox.; from Wenham street, south-east, to near Leland street.
- Hillside avenue**, Bri., 1856; from Winship avenue (now Wexford street) to the railroad; formerly from Winship avenue to North Beacon street; part from the railroad to North Beacon street laid out, with Lyman avenue, as Wicklow street, Dec. 5, 1881. L 1577.
- Hillside place**, E. B.; from Haynes street, east, near Marginal street.
- Hillside place**, Chsn.; from Bunker Hill street, south, near Main street.
- *Hillside street**, Rox., 1868; from Parker street to Parker Hill avenue; called Hillside avenue on a plan dated 1845; name of Davis street changed to Hillside street, April 21, 1868; laid out and extended to Parker street, in part over a private way called Billings place, April 27, 1882. L 1605, L 1606, L 1607.
- Hillside terrace**, Dor.; from Fuller street to Bailey street.
- Hilton street**, Rox., 1868; from junction of Swett street and East Chester park (now Massachusetts avenue), opposite Gerard street, north-easterly; name of Canal street changed to Hilton street, April 21, 1868.
- Hinckley street**, Dor., 1892; from Pleasant street to Bakersfield (formerly F) street; also called D street; authority to open given by Street Commissioners, May 4, 1892.
- *Hingham street**, B., 1831; from Shawmut avenue to Emerald street. L 250, L 545, L 715, L 720, L 1349.
- Hinsdale street**, Rox., 1894; from Commonwealth avenue to Cummington street.
- *Hobart street**, Bri., 1888; from Brooks street to Faneuil street; laid out, July 20, 1888. L 1832, L 2079.
- Hodges court**, Dor.; from Norfolk street, east, near River street.

- Hog bridge**, Rox.: over Stony Brook at Centre street, near Pyncheon street (now Columbus avenue).
- *Hoffman street**, Rox., 1880; from Lamartine street to Chestnut avenue; laid out from Lamartine street to Gilbert street (now Chestnut avenue), Oct. 6, 1880. L 1498.
- Hoffman street**, So. B.; proposed street from the proposed extension of B street to the proposed extension of E street, on the so-called Commonwealth flats.
- Hogarth street**, E. B., 1838; from Addison street to Trumbull street.
- Hogg alley**, B., 1708; from Newbury (now Washington) street, west, between Sheafe's lane (now Avery street) and West street; from Newbury street to Common (now Tremont) street, on map dated 1722; since closed in part and the west end included in Bradford place; Bradford place built over by Keith's Theatre, 1894.
- Holborn park**, Rox.; from 28 Holborn street.
- *Holborn street**, Rox., 1883; from Warren street to Blue Hill avenue; formerly Hayward street; laid out and named Holborn street, Aug. 21, 1883. L 1725.
- Holborn terrace**, Rox.; from 9 Holborn street.
- Holbrook avenue**, Dor.; from Neponset avenue, north-east, near Walnut street.
- Holbrook place**, Bri.; from North Beacon street, south-west, between Saunders street and Dustin street.
- *Holbrook street**, W. Rox., 1877; from Centre street to Eliot street; Monument street laid out and named Holbrook street, May 21, 1877. L 1238.
- Holden court**, B., 1859; from Commercial street, westerly, between Hanover street and Battery street.
- Holden place**, B., 1834; from Belknap (now Joy) street, west, between Cambridge street and Myrtle street.
- Holden place**, Dor., 1871; from Dudley street, north-east, near Humphreys street.
- Holden street**, Dor.; from Boston street, north-east, then south-east, then north-east to Humphreys street.
- Holden row**, Chsn., 1878; from Wesley street to Salem Hill court; named, March 12, 1878.
- Holiday street**, Dor., 1893; from Bowdoin street to Topliff street; authority to open given by Street Commissioners, March 22, 1893.
- Holland place**, B., 1857; from Tyler street, east, near Harvard street.
- Holland street**, Rox.; from Crawford street to Humboldt avenue; laid out from Crawford street to Harold street, Dec. 28, 1892, and from Harold street to Humboldt avenue, Oct. 12, 1893, with the name of Hollander street. L 2481, L 2541.
- Holland road**, Bri.; from North Harvard street to Royal street (formerly Royal road); also called Holland street; laid out as Hooker street, Aug. 26, 1892. L 2430.
- *Hollander street**, Rox., 1892; from Crawford street to Humboldt avenue; Holland street laid out from Crawford street to Harold street with name of Hollander street, Dec. 28, 1892; from Harold street to Humboldt avenue, Oct. 12, 1893. L 2481, L 2541.
- Hollaway's corner**, B., 1708; corner of Milk street and Battree March then so called; called Hallowell's corner, 1732.
- Holley square**, B., 1854; from Hollis street, south, near Washington street.
- Hollingsworth street**, Dor.; from Oakland street, south-west, near N. E. R.R.; authority to open given by Street Commissioners, Nov. 14, 1895.

Hollis place, B., 1847; from Hollis street, northerly, near Tremont street.

Hollis place, Bri.; from Allston street, south-east, near Brighton avenue; shown as an unnamed place from Allston street to Harts avenue, on a plan dated 1856.

Hollis place, Rox.; from Roxbury street to Vernon street; laid out with the name of Kent street, Nov. 19, 1888. L 2106.

***Hollis street**, B., 1732; from Washington street to Tremont street; called Broad alley, 1722; March 2, 1730, it had not received a name; called Harvard street, from Orange (now Washington) street running north-westerly by the new church, 1731; named Hollis street, 1732; by Price's map, 1743, extended across Clough (now Tremont) street.

Hollis street, B., 1731; from Orange (now Washington) street, east, to the sea; named Harvard street in 1732.

Holly street, Rox., 1871; from Ruggles street, south-westerly, between Halleck street and Duncan street.

***Holman street**, Bri., 1892; from Coolidge street to Hooker street; Homer road laid out from Coolidge street to Holland road (now Hooker street), Aug. 26, 1892. L 2431.

Holmes avenue, Bri., 1872; from Harvard avenue, westerly, towards Warren street, crossing Gorham street and Griggs street.

Holmes street, Bri., from Raymond street, northerly, between Franklin street and Riverdale street.

Holmes place, Dor.; from Mill street, south-easterly, between Neponset avenue and Tenean creek; called Mill-street place on plan dated 1884; included in Houghton street, Nov. 27, 1891. L 2365, L 2366.

Holmes' alley, B., 1822; in the rear and west of Belknap (now Joy) street, between Cambridge street and Myrtle street; given in the Directory of 1880 as "rear of Joy, from Smith court;" not given later than 1880.

***Holton street**, Bri., 1887; from Franklin street to Everett street; Pleasant street laid out and name changed to Holton street, Aug. 2, 1887. L 2007.

• **Holton street**, Bri.; from Brooks street, south-easterly, between Hobart street and Crosby street.

***Holworthy street**, Rox., 1892; from Walnut avenue to Humboldt avenue; laid out from Walnut avenue to Harold street, Dec. 2, 1892, and from Harold street to Humboldt avenue, Nov. 1, 1893. L 2467, L 2543.

***Holyoke street**, B., 1868; from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 7, 1869. L 502, L 516.

Holyoke street, B., 1740; laid out by owners from Frog lane (now Boylston street) to Hollis street; called Clough street in 1733; from Walker or Common street to Frog lane, 1750; made part of and named Nassau street, 1788; called Tremont street, 1824.

Home avenue, Bri., 1891; from North Harvard street, near Cambridge street, north-easterly; authority to open given by Street Commissioners, July 10, 1891; laid out, with the name of Hopedale street, April 29, 1892. L 2394.

Homer place, Rox.; from Moreland street to Winthrop street, between Cleveland street and Fairland street; Whiting street laid out through Homer place to Winthrop street, May 29, 1896. L 2770.

Homer road, Bri.; from Coolidge street to Holland road (now Hooker street); laid out with the name of Holman street, Aug. 26, 1892. L 2431.

Homer street, Dor., 1871; from Washington street to Milton avenue; laid out and named Rockwell street, Feb. 2, 1880. L 1434.

- †**Homer street**, E. B.; from West street, south-westerly, crossing B., R. B. & L. R. R., and the Jewish cemetery, to Moore street, with proposed extension to proposed part of Harmony street; laid out from Byron street to Moore street, June 23, 1891. L 2305.
- Homes avenue**, Dor., 1893; from Bowdoin street to Adams street; authority to open portion from Bowdoin street to Topliff street given by Street Commissioners, March 22, 1893.
- Homes avenue**, Dor., 1868; from Adams street, opposite Linden street, westerly, southerly, and again westerly.
- Homes place**, Chsn.; from Main street, south-west, between Gardner street and Haverhill street.
- Homes street**, Dor.; from Homes avenue to Fox street.
- Homestead avenue**, Dor.; from Magnolia street to Hartford street; now Robinhood street.
- Homestead place**, Chsn.; from Main street, south-west, between Austin street and Chapman street.
- †**Homestead street**, Rox., 1878; from Walnut avenue to Elm Hill avenue; laid out from Walnut avenue to Humboldt avenue, July 5, 1887. L 2001, L 2176.
- Honcheu's corner**, B., 1708; the north end of Queen (now Court) street and Hanover street then so called.
- ***Hooker street**, Bri., 1892; from North Harvard street to Royal street; Holland road laid out with the name Hooker street, Aug. 26, 1892. L 2430.
- Hooper avenue**, Dor.; from Magnolia street to Hartford street; authority to open given by Street Commissioners, Aug. 7, 1895.
- ***Hooper street**, Dor.; from Melville avenue to Tremlett street; laid out, Sept. 16, 1885. L 1887.
- Hooten court**, E. B.; from Everett street, south-westerly, near Lamson street.
- Hope place**, B., 1870; from North Russell street, west, near Cambridge street.
- ***Hopedale street**, Bri., 1892; from North Harvard street to a point near and north-east of Windom street; Home avenue laid out with the name of Hopedale street, April 29, 1892. L 2394.
- Hopestill avenue**, Dor.; from Northern avenue to Southern avenue.
- Hopkins place**, Dor.; from Fremont place, south-east.
- ***Hopkins street**, Dor.; from Evans street to Corbet street; laid out, Oct. 7, 1892. L 2439.
- ***Horace street**, E. B., 1891; from Moore street to Byron street; part of Milton street, between Moore street and Byron street, laid out with the name of Horace street, July 2, 1891. L 2307.
- Horn lane**, B., 1795; from Milk street to Water street; previously called Tanner's lane; at one time called Horse lane; name changed to Bath street, 1807.
- Horse lane**, B.; Horn lane from Milk street to Water street at one time so called; now Bath street.
- Hosmer street**, Dor., 1896; from Blue Hill avenue to Norfolk street between Woolson street and Harlem street; authority to open given by Street Commissioners, Feb. 14, 1896.
- Hotel street**, E. B., 1833; from Hotel (now Maverick) square to Paris street; accepted as Henry street, June 4, 1851.
- ***Hotel square**, E. B., 1833; from Sumner street to Maverick street; laid out, Aug. 7, 1848; now Maverick square.
- Houghton place**, Rox., 1868; from Centre street, southerly, near Wyman street; name of Irving place changed to Houghton place, April 21, 1868; included in Mozart street, May 19, 1887. L 1988.

- *Houghton street**, Dor.; from Pope's Hill (formerly Clay) street to Mill street; laid out, including Holmes place, Nov. 27, 1891. L 2365, L 2366.
- Houston place**, Rox., 1866; from Tremont street (now Columbus avenue), southerly, near Texas avenue (now street) crossing Texas court; part at Tremont street now built over.
- Houston street**, W. Rox.; from Amherst street to Metcalf street.
- Houston street**, W. Rox.; from Montview street to Crest street; formerly crossing Montview (formerly Carl) street, from north-west to south-east; part south-east of Montview street now called Park street; authority to open from Montview street to Crest street given by Street Commissioners, Oct. 1, 1896.
- Hovey avenue**, Dor.; from Blue Hill avenue to Franklin Field; formerly from Blue Hill avenue, north-easterly, towards the Catholic cemetery, crossing Lyons street; part included in Franklin Field; has probably been known at some time as Noyes avenue, and is so called in Bromley's atlas of Dorchester of 1889.
- Hovey avenue**, Chsn.; from Main street, south-westerly, nearly opposite Baldwin street; called also Hovey's court.
- Hovey's court**, Chsn.; rear of 444 Main street; called Hovey avenue, from 444 Main street to Rutherford avenue on chart, 1885.
- *Howard avenue**, Dor.; from Dudley street to Quincy street; laid out, Aug. 12, 1869. L 679, L 680, L 681, L 2362, L 2363.
- Howard place**, Chsn.; from Elm street, south-easterly, between High street and Bartlett street.
- †Howard place**, Bri., 1872; from Union street to Commonwealth (formerly Massachusetts) avenue; part of, now included in Union street; shown as an unnamed passageway on a plan dated 1871; accepted from Washington street to a point about 100 feet south-west of the present angle in Union street, July 8, 1872.
- Howard place**, Dor.; from Howard avenue, north-east, near Dudley street.
- *Howard street**, B., 1821; from Court street to Bulfinch street; called Southack's court from Court street, opposite Hanover street, westerly, 1732; to Dr. Bulfinch's pasture, 1788; to Bulfinch street, 1817; name changed to Howard street, April 11, 1821. Vol. 31, p. 83.
- Howard street**, Dor., 1857; from Howard avenue to Magnolia street; also called Howard place; laid out, Aug. 12, 1869; name changed to Wayland street, March 1, 1888. L 550.
- *Howard street**, Rox., 1865; from Hampden street to Magazine street; from Hampden street, south-easterly; crossing Gerard street, 1865; extended to Magazine street, May 16, 1893. L 793, L 2510.
- Howard street**, So. B., 1854; from Dorchester avenue, west, north of and near Swett street; name changed to Dexter street, Aug. 7, 1855.
- Howes avenue**, So. B.; from H street, west, between East Sixth street and East Seventh street.
- Howe court**, Rox., 1868; from Tremont street, south-east, between Ruggles street and Weston street; name of Cottage place changed to Howe court, April 21, 1868.
- Howe place**, Chsn.; from Quincy street, north-west.
- Howe street**, Dor.; from junction Neponset avenue and Adams street, opposite Parkman street, to Tenean creek; shown as an unnamed street on a plan dated 1852.
- Howe street**, Dor.; from Hancock street, south-west, near Rill street.
- Howe street**, E. B. (Breed's Island); from Riverside avenue to the water; shown on atlas, 1892.

- ***Howell street**, Dor.; from Dorchester avenue to Boston street; shown as Newell street on atlas, 1884; laid out, Dec. 28, 1892. L 2486.
- Howes avenue**, So. B.; from H street, west, between East Sixth street and East Seventh street.
- Howes street**, Dor.; from Dorchester avenue, west, between East Cottage street and Mayfield street.
- ***Howland street**, Rox., 1880; from Warren street across Humboldt avenue; laid out from Warren street, westerly, Jan. 28, 1880; extended to Elm Hill avenue, May 19, 1882; from Elm Hill avenue to Humboldt avenue, Oct. 13, 1887; west of Humboldt avenue, June 8, 1892. L 1430, L 1612, L 2030, L 2399.
- Hoyt place**, B., 1857; from Joy street, west, near Cambridge street.
- Hubbard street**, Bri.; from Western avenue, near North Harvard street, south, to Rena street.
- Hubbard terrace**, Rox.; from Eustis street, north-east, between Hampden street and Magazine street.
- Hubbardston street**, Dor.; from Boston street, north-west, opposite Dorset street; shown on atlas of 1884.
- Huckins avenue**, Rox., 1858; from Blue Hill avenue to Dennis street; laid out with the name of Huckins street, June 26, 1882. L 1621.
- ***Huckins street**, Rox., 1882; from Blue Hill avenue to Dennis street; Huckins avenue laid out and named Huckins street, June 26, 1882. L 1621.
- Hudson place**, B., 1844; from Hudson street, westerly, near Kneeland street.
- ***Hudson street**, Dor., 1862; from Dudley street to Clifton street; from Dudley street to George street, at junction Clifton street, 1862; laid out, Aug. 12, 1869. L 1213.
- ***Hudson street**, Chsn., 1871; from Chelsea street to Water street; name of Chelsea place changed to Hudson street, Feb. 6, 1871.
- ***Hudson street**, B., 1846; from Beach street to Curve street; part from Beach street to Kneeland street accepted, Sept. 21, 1846; part from Kneeland street, 253 feet towards Harvard street, accepted, Oct. 18, 1847; from Harvard street to Oak street, accepted, July 10, 1848; from Harvard street to Kneeland street and from Oak street to Curve street, accepted, Jan. 5, 1856. L 1534.
- Hudson's lane**, B., 1658; from Orange-tree lane, east; Wing's lane, 1708; Elm street, 1800.
- Hudson's point**, B., 1708; the extreme north-east point of the town, on Charles river; called Mylne point in 1635.
- Huff place**, B., 1848; from Tyler street to Curve street; closed.
- ***Hulbert street**, Rox.; from Washington street to Regent street; laid out, Nov. 6, 1882. L 1664.
- ***Hull street**, B., 1701; from Salem street to Commercial street; granted to Town by Samuel Sewall, May 20, 1701; from Salem street to the North Burial Ground, 1708; from Salem street to Snow street, 1733; extended across Snow street or Snow-Hill street to Lynn (now Commercial) street, 1828, which part was also called Brown street.
- Hull street**, Chsn.; from Bunker Hill street to Vine street.
- Hull street**, Rox., 1845; from Walnut street (now Walnut avenue) to Bainbridge street; shown on plans to 1860; probably included in Washington park, except part included in southerly end of Bainbridge street.
- Hull-street court**, B., 1837; from Hull street, south-westerly, near Salem street.

- Hull-street place**, B.; from Hull street, south-westerly, near Snow-Hill street.
- Hull's row**, Chsn.; from Mill street, southerly.
- *Humboldt avenue**, Rox., 1882; from Seaver street to Walnut avenue; Williams avenue, laid out from Seaver street and extended to Munroe street, and name changed to Humboldt avenue, Dec. 30, 1882; extended from Munroe street to Walnut avenue, Sept. 15, 1886. L 1688, L 1689, L 1690.
- Humboldt park**, Rox.; from Bower street, south-westerly, between Humboldt avenue and Warren street.
- Humboldt place**, So. B., 1871; from Dorchester avenue, westerly, near Dexter street; named, Nov. 27, 1871.
- Humphrey court**, So. B.; from West Fourth street, north-easterly, adjoining N. E. R.R.
- Humphrey place**, B., 1825; from Hamilton street, east, 1825; laid out and extended to Broad street, including part of Half Moon place and name changed to Wendell street, Dec. 30, 1870. L 460.
- Humphreys place**, Dor.; from Humphreys street, north-west, near Dudley street.
- Humphreys square**, Dor.; from Dudley street, north-easterly, to Iona street.
- *Humphreys street**, Dor., 1840; from Dudley street to East Cottage street; road by Deacon Humphreys' (Stoughton, now Dudley street) altered and new lane laid out from same to another lane (Cottage, now East Cottage street), April, 1800; street from Deacon Humphreys' to Mr. Bridgman's named Humphreys street, March 11, 1840. L 1733.
- Hunneman court**, Rox.; from Harrison avenue, north-westerly; now Plymouth court.
- Hunneman place**, Rox.; from Washington street, south-easterly, between Hunneman street and Eustis street; shown as Hunneman court on city map, 1891, and Bromley atlas, 1890.
- *Hunneman street**, Rox., 1864; from Washington street to Albany street; accepted, conditionally, from Washington street to Harrison avenue, May 30, 1864; laid out from Harrison avenue to Albany street, Nov. 27, 1874; from Harrison avenue to Washington street, Dec. 1, 1891. L 990, L 1195, L 2371.
- Hunnell court**, Rox.; from Culvert place (now Downing street), north-westerly, to Hampshire street; now called Salvisberg avenue.
- Hunnell place**, E. B.; from Marion street, south-westerly, between Princeton street and Saratoga street.
- Hunter street**, Dor.; from Morton street to Norfolk street, opposite Ballou avenue.
- *Huntington avenue**, B. and Rox., 1864; from Boylston street, at Copley square, to Brookline line; laid out from Boylston street to Camden (now Gainsborough) street, Nov. 1, 1875; extended from Camden street to Parker street, May 24, 1881; from Parker street to Tremont street, Dec. 29, 1882; over a part of Tremont street, from Francis street to the Brookline line, Jan. 5, 1895. L 747, L 748, L 749, L 1089, L 1525, L 1684, L 1685, L 1699, L 1831, L 2096, L 2213, L 2637, L 2638, L 2639, L 2640, L 2641, L 2642, L 2643, L 2644, L 2645, L 2646, L 2647, L 2648, L 2649.
- Huntington avenue**, W. Rox.; from Canterbury street, near Hyde Park avenue, to Hyde park line.
- Huntoon street**, Dor.; from Medway street (formerly Riverview avenue), north-easterly, crossing Butler street.
- Hunt's corner**, B., 1800; corner Fish (now North) street,* and Sun court then so called.

- Huron street**, E. B. (proposed); from Cottage street to Georgia street (Wood Island); abandoned.
- †**Hutchings street**, Rox., 1878; from Elm Hill avenue to Harold (formerly Naseby) street; laid out from Humboldt avenue to Harold street, April 20, 1888. L 2067.
- Hutchins avenue**, Rox.; from Day street, north-west.
- Hutchinson lane or street**, B., 1732; from Milk street to Cow lane (now High street); shown in 1722; named in 1732; called Palmer street in 1788; by plan of 1789 called Green lane; name of Hutchinson street changed to Pearl street, Jan. 22, 1800.
- Hutchinson street**, Dor.; from Codman street, south, across Brook street.
- Hyde street**, So. B., 1872; from Dorchester avenue, easterly, to O. C. (now N. Y., N. H. & H.) R.R.
- ***Hyde Park avenue**, W. Rox.; from Washington street to Hyde Park line; from Canterbury street to Dorchester line laid out as Belgrade street on a map of Roxbury dated 1843-49; laid out from River street, Dorchester, nearly parallel with B. & P. (now N. Y., N. H. & H.) R.R. to new road from Mattapan to West Roxbury (now Ashland street), December, 1859; extended from Mattapan road to Walk Hill street, running nearly parallel with the railroad, May, 1869; location changed from Walk Hill street to land of Bussey heirs, January, 1870; extended through a portion of Walk Hill street to Washington street, Dec. 27, 1878. L 1344, L 1403.
- Hyde square**, W. Rox.; junction of Centre, Perkins, and Day streets so called.
- ***I street**, So. B., 1805; from north of East First street to south of (proposed) East Tenth street, with proposed extensions, northerly, to proposed extension of Eastern avenue (now Congress street), and southerly to line of Old Harbor (1884); from salt water on the south to the Harbor of Boston on the north laid out and named, Feb. 27, 1805; laid out from low-water mark north of First street to harbor line in Dorchester bay, Nov. 17, 1868; southerly portion of that part south of East Ninth street now included in the Strandway. Vol. 31, p. 93.
- Ice court**, Chsn.; from Water street, north-west, between Foss street and Wapping street.
- Ida street**, E. B., 1892; from Ruth street to Brigham street; laid out, including a part of Terrace place, Nov. 26, 1892. L 2459.
- Idaho street**, Dor.; from River street, northerly, to Manchester street.
- Iffley road**, W. Rox., 1895; from Washington street, near Forest Hills street, to Walnut avenue; authority to open given by Street Commissioners, Sept. 19, 1895.
- Inches corner**, B., 1784; corner Orange (now Washington) street and Eliot street then so called.
- ***Independence square**, So. B., 1859; between East Second and N streets, East Broadway and M street; laid out, Dec. 31, 1857; named, May 10, 1859; accepted, Oct. 1, 1860.
- †**India square**, B., 1873; from Broad street, north-easterly, to India street, and from India square, easterly, to Atlantic avenue; passageway from Broad street to India street, accepted and named India street, Aug. 8, 1842; part of India wharf between Broad street and Atlantic avenue called India square, Feb. 12, 1873.
- ***India street**, B., 1804; from State street to India wharf; from Long wharf to India wharf, 1817; laid out around the Custom House, Oct. 2, 1837; laid out, named and accepted to India wharf, April 11, 1842; passageway from Broad street to India street accepted, and named

India street (now India square), Aug. 8, 1842; laid out from India square to Atlantic avenue, Dec. 8 1884. L 134, L 262, L 1839, L 2199, L 2700.

India wharf, B.; from Atlantic avenue, easterly, opposite India square; part of India wharf, between Broad street and Atlantic avenue, called India square, Feb. 12, 1873. L 1000.

Indian lane, Bri.: Nonantum street, from Washington street to Newton line formerly so called.

Indian way, Dor., 1855; laid out as a part of Savin Hill avenue, Aug. 12, 1869.

***Indiana place**, B., 1843; from Washington street to Tremont street; from Washington street, west, 1843; accepted "as at present laid out" from Washington street to Tremont street, Oct. 11, 1852; extended to Tremont street in 1859; name changed to Corning street, March 1, 1895. Vol. 31, p. 87. L 210, L 522, L 548, L 549, L 724, L 756, L 762, L 838, L 1349.

Indiana street, B., 1844; from Washington street to Harrison avenue; called Distill-House street, 1826; name changed to Indiana street in 1844; accepted, conditionally, May 21, 1849.

Ingersoll place, B., 1847; from Purchase street, south-east, near Belmont (now Oliver) street; name changed to Quiet place in 1849; built over.

***Ingleside street**, Rox., 1892; from Blue Hill avenue to Dacia street; laid out, Nov. 3, 1892. L 2454.

Inner temple, B., 1727; in Prison lane, Queen (now Court) street.

Institute avenue, B., 1867; from Endicott street to North Margin street; built over.

Intervale park, Dor., 1891; from Bourneside street to Upland avenue.

†**Intervale street**, Rox., 1892; from Warren street to south east of Blue Hill avenue; laid out, Oct. 15, 1892; authority to open south-east of Blue Hill avenue given by Street Commissioners, Dec. 5, 1893. L 2449.

Iona street, Dor.; from Humphreys street to Humphreys square.

Iowa street, Dor.; from Westville street to Dakota street.

Ipswich place, E. B.; from Everett street, south-westerly, between Jeffries street and Lamson street.

Ipswich street, Rox.; from Beacon street to B. & A. R.R.; included in the Back Bay Fens and called Charlesgate-east, Dec. 30, 1887. L 1515.

Irving place, B., 1859; from Irving street, west, near Cambridge street.

Irving place, Rox.; from Centre street; name changed to Houghton place, April 21, 1868.

Irving place, Chsn., 1872; from Main street, north-easterly, between Albion place and Baldwin street.

***Irving street**, B., 1855; from Cambridge street to Myrtle street; called Butolph or Buttolf street, 1733; name changed to Irving street, April 25, 1855.

Irving street, W. Rox., 1870; from Anawan avenue, near Park street, south-easterly, nearly to Pelton street, and from Pelton street, south-easterly.

***Irvington street**, B., 1884; from Huntington avenue to B. & P. (now N. Y., N. H. & H.) R.R.; laid out from Huntington avenue to St. Botolph street, April 10, 1884; from St. Botolph street to the railroad, July 23, 1889. L 1767, L 2141.

Irwin avenue, Rox.; from Blue Hill avenue, north-west, opposite Woodville street.

- *Isabella street**, B., 1863; from Ferdinand street to Columbus avenue; laid out, Dec. 22, 1876. L 1208.
- Island street**, E. B., 1845; from Cottage street to proposed part of Orleans street; from Frankfort street to Cleveland street, 1895, with proposed extension north-west to a proposed part of Orleans street.
- Island road**, } Rox., 1832; from Hampden street to Magazine street;
†Island street, } laid out from Hampden street to Gerard street, Aug. 5, 1876. L 1161.
- *Isleworth street**, Bri., 1887; from Chestnut Hill avenue to Englewood avenue; Roxbury avenue laid out as a public street and named Isleworth street, May 11, 1887; name changed to Sutherland road, March 1, 1892. L 1985.
- †Ivanhoe street**, B., 1868; from Upton street to West Brookline street; name of Waverly street changed to Ivanhoe street, April 21, 1868; laid out from West Canton street to West Brookline street, Nov. 9, 1870; from West Canton street to West Dedham street, May 13, 1871. L 477, L 541, L 581, L 605.
- Ivers street**, B., 1820; from Hawkins street, north, to the Mill-pond; sometimes called Ivers lane; from Bowdoin square to Merrimac street, including Chardon street, Dec. 30, 1859; name of same changed to Chardon street, May 22, 1860. Vol. 31, pp. 81, 89. L 92.
- *Ivory street**, W. Rox., 1872; from Temple street to Dent street; laid out, Sept. 28, 1876. L 1172.
- *Ivy street**, B. and Rox.; from Mountfort street to St. Mary's street, the Brookline line; laid out, June 12, 1894. L 2605.
- Jackson avenue**, B., 1837; from Charter street to Commercial street; called Board alley in 1833; named changed to Jackson avenue, in 1837.
- Jackson avenue**, Bri.; from Chestnut Hill avenue to Rockland street.
- Jackson court**, B., 1836; from North Margin street, west; built over.
- Jackson place**, B., 1827; from Winter street, south-westerly, near Washington street.
- Jackson place**, Dor.; from School street, south-westerly; Athelwold street, laid out over Jackson place, May 6, 1896. L 2761.
- Jackson square**, Bri.; at junction Chestnut Hill avenue, Union street, and Winship street.
- Jackson square**, Bri., 1871; at junction of Everett (now Dunboy) street and Webster street.
- †Jackson street**, So. B., 1875; from Boston street to Dorchester avenue; portion laid out, eastwardly from Boston street, Dec. 24, 1875; laid out with the name of Rawson street from Boston street to Dorchester avenue, Dec. 29, 1892. L 1072, L 2484.
- *Jackson street**, Chsn., 1864; from Bunker Hill street to Ferrin street; laid out, July 25, 1864.
- Jackson's corner**, B., 1732; at the head of the Town Dock, Dock square.
- Jackson's corner**, B., 1732; at the Mill-creek, Ann (now North) street.
- Jamaica place**, W. Rox.; from Jamaica street, westerly.
- Jamaica street**, Dor., 1802; from Norfolk street to Back (now Harvard) street, opposite Walk Hill street; laid out from road leading from Boies' mill to Dr. Jasper Baker's to old road leading to Meeting House, Jamaica Plain, April, 1802; located from Samuel Cox's to Roxbury (now West Roxbury) line, April 2, 1804; named from Cox's corner to Back street and Roxbury line, March 11, 1840; name changed to Walk Hill street, being a continuation of that street, May 9, 1876.

- *Jamaica street**, W. Rox., 1851; from South street, westerly, southerly, westerly, northerly, and easterly, back to Jamaica street; laid out from South street to Woodman street, Dec. 9, 1878; extended, July 3, 1882. L 1338, L 1623, L 1624, L 1625.
- Jamaica street**, W. Rox., 1850; easterly part of Child street, from Lee street to Starr (now Call) street called so on a plan in Norfolk Registry, 1850.
- Jamaicaway**, Rox. and W. Rox.; from Tremont street (now Huntington avenue) to Prince street.
- James avenue**, So. B.; from G street, westerly, near East Eighth street.
- James place**, B., 1839; from Anderson street, westerly, between Phillips street and Revere street.
- *James street**, B., 1857; from East Brookline street to East Concord street; named, Dec. 8, 1857. L 1770.
- James street**, Rox., 1799; from land of Joel Gay to the road to the salt marsh (plan l. 13, f. 183, Norf. Reg.); laid out as a new road 50 feet wide and called in deed James street; shown on plan l. 17, f. 57. Norf. Reg.
- James street**, W. Rox., 1872; from Poplar street, north-westerly, parallel with Charles (now Cornell) street and Beech street to Kittredge street.
- Jarvis place**, Rox., 1870; from George street, easterly, between Magazine street and Langdon street, named, May 10, 1870.
- Jarvis row**, B., 1805; from Newbury (now Washington) street, east, south of Suffolk place; name changed to Norfolk place in 1823.
- Jarvis's corner**, B., 1800; corner of Newbury (now Washington) street and Summer street then so called.
- Jasper place**, B., 1849; from North street, south-east, near Langdon place; same as City slip.
- Jay street**, So. B.; from East Fourth street to East Fifth street, between I street and K street.
- Jay street**, W. Rox., 1848; from Martin street, south-east, to La Grange street.
- Jay street**, Chsn., 1818; from Chelsea street to Edgeworth street; laid out, May 23, 1859; name changed to Tremont street, Oct. 29, 1866.
- Jeannette place**, W. Rox.; from Washington street, south-east, between Ashland street and Poplar street.
- Jefferson avenue**, Chsn.; from Bunker Hill street to Bartlett street; shown as an unnamed street on plan dated 1839.
- Jefferson place**, B., 181-; from Bennet street, southerly, between Harrison avenue and Ash street.
- *Jefferson street**, B., 1824; from Fayette street to Tremont street; from Fayette street, 1824; extended to Tremont street, 1834; accepted, conditionally, Sept. 19, 1842; decided to have become public by dedication, Dec. 20, 1880. L 387, L 392.
- *Jeffries street**, E. B., 1836; from Marginal street to Maverick street; laid out and accepted, April 10, 1854.
- Jenkins avenue**, E. B. (Breed's Island); from Beachmont avenue, easterly, to a junction with Ashley avenue at Belle Isle inlet; Bromley's atlas, 1892.
- Jenkins place**, B., 1834; from Commercial street; included in the North End park.
- *Jenkins street**, So. B., 1855; from Dorchester street to Lowland street; name of Lewis street changed to Jenkins street, Aug. 7, 1855; laid out from Dorchester street to O. C. (now N. Y., N. H. & H.) R.R., Nov. 2, 1876. L 1187.

- *Jenner street**, Chsn., 1866; from Bow street to Front street; "recently" laid out over Cook's lane; named Jenner street, Sept. 17, 1866.
- Jennings place**, Chsn.; from Medford street, south-westerly, between Polk street and Elm street.
- Jephson's corner**, B., 1732; corner of Marshall lane and Creek lane then so called.
- Jerome place**, Chsn.; from Bunker Hill street, northerly; laid out from Bunker Hill street to Princeton street, with name of Sprague street, Aug. 11, 1892. L 2482.
- *Jerome street**, Dor., 1883; from Hancock street to Everett avenue; part of Everett avenue, from Hancock street to the part already public, laid out as Jerome street, March 22, 1883. L 1695.
- Jersey street**, Rox.; from Beacon street to B. & A. R.R.; included in Back Bay Fens and called Charlesgate-west, Dec. 30, 1887. L 1515.
- Jersey street**, Bri., 1882; from Third street to Fifth street; now in Brighton cattle-yards, near B. & A. R.R.
- *Jess street**, W. Rox.; from Porter street, south-westerly; laid out, Dec. 13, 1876. L 1206.
- Jewel place**, Rox.; from Ottawa street, northerly, near Sherman street.
- Jewett street**, W. Rox.; from Neponset avenue to Mt. Hope street.
- *John street**, B., 1869; from Fulton street to North street; called Shoe and Leather street in 1842; laid out as John street, Feb. 2, 1869. L 428.
- *John A. Andrew street**, W. Rox., 1871; from Newbern street to Carolina avenue; laid out, Dec. 5, 1881. L 1576.
- Johnson avenue**, Rox.; from Centre street, southerly, nearly opposite Wyman street, to Buckley avenue.
- Johnson avenue**, Chsn., 1846; from Main street to Lawrence street; named Miller street, Sept. 2, 1844; name changed to Johnson's avenue, March 9, 1846, now called Johnson avenue.
- Johnson place**, Dor.; from River street, north-westerly, between Morton street and River court.
- †Johnson street**, W. Rox., 1888; from Baker street to Ashland street; Ballanakill avenue, from Baker street to Ashland street, also portion, north-westerly, towards railroad, laid out with name of Johnson street, Jan. 6, 1888. L 2047.
- Johnson's avenue**, see Johnson avenue.
- Johnston park**, Rox.; from Warren street, near corner of Dale street, westerly.
- Johnston street**, W. Rox.; from Jamaica street, south, then west.
- Johnswood road**, W. Rox., 1896; from Prospect avenue, south-west, between Sherwood street and Brown avenue; authority to open given by Street Commissioners, Feb. 24, 1896.
- *Joiner street**, Chsn., 1827; from Park street to Water street; laid out opposite O. W. Preston's lot to Deacon Thos. Miller's house, May 21, 1827; laid out near site of fire, Dec. 23, 1835; laid out as far as practicable and accepted, March 28, 1836.
- Joiliff's lane**, B., 1708; called also Joliff's, Jolliff's, Joyliff's, and Joyliff's lane; at one time called Black Jack alley; from Water street to Milk street; called Devonshire street, 1784; by Edes list, 1800, called Jolliff's lane and also by Carleton's map of 1800; called Devonshire street.
- Jones avenue**, Dor.; from Mascot street to Ballou avenue.
- Jones street**, W. Rox.; from Walter street to Fairview street; authority to open given by Street Commissioners, April 21, 1894.

Jones street, E. B. (Breed's Island); from Ashley avenue crossing Jenkins avenue, to Belle Isle inlet; shown on atlas, 1892.

***Jordan street**, W. Rox., 1872; from Dent street to La Grange street, near West Roxbury station; laid out, Sept. 28, 1876. L 1174.

Josephine street, Dor.; from Ditson street to Geneva avenue; laid out, Sept. 7, 1895. L 2722.

Joy place, B., 1834; rear of west side of Belknap (now Joy) street, near Beacon street; closed.

***Joy street**, B., 1851; from Beacon street to Cambridge street; part from Cambridge street to May (now Myrtle) street; called Belknap's lane, 1787; same called Belknap street, 1789; extended south to Beacon street through Clapboard street and George street, 1803; Belknap street, between Myrtle street and Beacon street called Joy street, January, 1851; Belknap street, from Beacon street to Cambridge street, named Joy street, Feb. 26, 1855. Vol. 31, p. 69.

Joy street, W. Rox.; from Brookline line, south-west, crossing Raymond, Bruce and Walker streets.

Jubes lane, W. Rox.; an early name for Curtis (now Forest Hills) street; shown on plans dated 1845.

***Judson street**, Dor., 1892; from West Cottage street to Brookford street; laid out from West Cottage street to Dromey avenue, Feb. 26, 1892; laid out over Dromey avenue to Brookford street, Dec. 12, 1896. L 2384, L 2800.

***Julian street**, Rox., 1892; from Blue Hill avenue to Howard avenue; name of part of Rand street changed to Julian street, March 1, 1892; extended over Rand square to Howard avenue, Sept. 7, 1895. L 1591, L 2733.

***Juniper street**, Rox., 1881; from Cedar street to Thornton street; laid out from Cedar street, in part upon a portion of private way known as Cedar square, to Thornton street extended to Guild street, Dec. 10, 1881. L 1578, L 1579.

Juniper terrace, Rox.; from Washington street to Juniper street, between Cedar street and Guild street.

***K street**, So. B., 1805; from north of East First street, south, to the Strandway; laid out and named from salt water on the south to the Harbor of Boston on the north, Feb. 27, 1805; laid out from the low-water mark north of First (now West First) street to harbor line in Old Harbor, Nov. 17, 1868; portion of K street from harbor line in Old Harbor to East Ninth street now included in the Strandway. L 146, L 217.

K-street place, So. B.; from K street, east, between East Broadway and East Third street.

Kaine street, Dor.; from Richardson avenue between Locust street and Story street, west, to end of Buttonwood street.

Kalada park, Rox.; from Holborn street; authority to open given by Street Commissioners, July 20, 1893.

***Kane street**, Dor.; from Bellevue street to Stanley street; formerly called Bellevue terrace; laid out, June 19, 1889. L 2137.

***Kearsarge avenue**, Rox., 1868; from Warren street to Winthrop street; name of Mt. Vernon place having been changed to Mt. Warren place, Oct. 30, 1865; named Kearsarge avenue, April 21, 1868.

Kearsarge place, Rox.; part of Kearsarge avenue from Winthrop street in a general northerly direction, to angle in same, so called in 1873.

Keith avenue, W. Rox.; from Baker street near Mt. Vernon street, to La Grange street; also called Keith street.

- Keith's alley**, B., 1865; from North street, near Richmond street, north-west; a portion of what was called Clark's alley, 1824; called Keith alley on plan dated 1865.
- Keith street**, W. Rox.; from Baker street, near Mt. Vernon street, to La Grange street; also called Keith avenue.
- Kellam place**, B., 1837; near Lucas place and street; included in Chapman (now Compton) street, which was laid out from Washington street to Tremont street in 1852.
- Kelley court**, Chsn.; from Cook street to Sheafe street; same given "Kellies block" on chart, 1875.
- Kelley court**, Bri.; from Western avenue, south-easterly, towards Waverly street; same called Kelly's lane, 1884.
- Kelley's lane**, Bri.; from Western avenue, south-easterly, towards Waverly street; same called Kelley court in 1875.
- Kellies block**, Chsn.; from Cook street, north-westerly, 1875; same called Kelley court, from Cook street to Sheafe street, 1884.
- Kemble place**, So. B.; from P street, near corner East Second street, west; also called Kimball place.
- † **Kemble street**, Rox., 1865; from Hampden street, east, then south-east, parallel with Norfolk avenue to Magazine street; part from Hampden street, east, to Reed (now Reading) street once shown as part of Reed street; laid out from Hampden street to Magazine street, Aug. 6, 1889. L 2143, L 2144.
- Kemp street**, So. B.: from Dorchester avenue, east, to O. C. (now N. Y., N. H. & H.) R.R.
- * **Kendall street**, B., 1845; from Shawmut avenue to Tremont street; accepted, conditionally, Dec. 3, 1860; laid out, Nov. 3, 1868; laid out, Aug. 3, 1869. L 189, L 382, L 414, L 415.
- * **Kenilworth street**, Rox., 1847; from Dudley street, south-easterly, then north-easterly, to Dudley street; accepted, June 21, 1847; laid out, June 14, 1852. L 2803.
- * **Kenmore street**, Rox.; from Commonwealth avenue to Newbury street; laid out, Dec. 29, 1893. L 2581.
- Kenna place**, B., 1860; from Grove street, easterly, near Revere street.
- * **Kennard avenue**, B., 1833; from Allen street to Poplar street; same in 1833; accepted and laid out as public street, June 14, 1852; called Kennard street on plan, 1883. L 2382.
- Kennard court**, B., 1846; from Kennard avenue, north-westerly, to junction of Lovett place and Elder place; from Kennard avenue, near Poplar, 1846.
- Kennard street**, B.; Kennard avenue, from Allen street to Poplar street; so called on plan, 1883.
- Kennedy's corner**, B., 1784; corner of Dock square and Shrimpton's lane (now Exchange street), then so called.
- Kenneth street**, Bri.; from Franklin street, nearly opposite Brentwood street, south-east, to and beyond Bayard street.
- † **Kenneth street**, W. Rox.; from Beech street to Stratford avenue; formerly called Oak street; laid out from Beech street to Farrington street, July 24, 1891; authority to open part between Stratford avenue and Farrington street given by Street Commissioners, Nov. 17, 1893. L 2318.
- Kenney street**, Rox.; from Day street, north-west.
- Kenny's corner**, B., 1709; in Dock square.
- * **Kenrick street**, Bri., 1856; from Lake street, north-east, to Newton line; laid out by Commissioners, Jan. 2, 1856; named, March 5, 1860.
- Kensington park**, Rox.; from Warren street, near Dale street, north-westerly.

- ***Kensington street**, Rox.; from Kingsbury street to Elmore street; laid out, Oct. 22, 1885. L 1894.
- Kensington street**, Bri.; from extension of Foster street to Parsons street; laid out as a public street and named Surrey street, Sept. 4, 1884. L 1817.
- ***Kent street**, Rox., 1888; from Roxbury street to Vernon street; formerly Hollis place; laid out as Kent street, Nov. 19, 1888. L 2106.
- Kentle street**, B., 1848-51; from Suffolk street (now Shawmut avenue), near Rutland street; cannot be now identified.
- ***Kenwood street**, Dor.; from Allston street to Washington street; laid out, Oct. 4, 1894. L 2663.
- Kerwin street**, Dor., 1896; from Talbot avenue to Bernard street; authority to open given by Street Commissioners, May 6, 1896.
- Keyes place**, W. Rox., 1860; from Keyes street, north-west; part now in Call street; also called Keyes-street court.
- ***Keyes street**, W. Rox., 1850; from South street to Forest Hills street; laid out as a town way, March 31, 1859; relocated between Washington street and B. & P. (now N. Y., N. H. & H.) R.R., Nov. 6, 1883; extended south-easterly from Washington street to Stony brook, Nov. 6, 1883; extended to Forest Hills street, Aug. 4, 1890. L 1734, L 1735, L 2254.
- Keyes-street court**, W. Rox.; from Keyes street, near Call street, south; portion taken by extension of Call street, May 7, 1891; also called Keyes place.
- Keyes-street place**, W. Rox.; from Keyes street on north-easterly side of Stony Brook, north-easterly.
- ***Kilby street**, B., 1769; from State street to Milk street; called Mackerel lane from King (now State) street to Water street, and Cooper's alley from Water street to Milk street, 1708; called Kilby street from King street to Milk street, 1769; sometime prior to 1784, part from Water street to Milk street called Miller's lane; from State street to Liberty square, 1788; part from Liberty square to Milk street called Adams street, 1788-1824; called Kilby street in Edes' list, 1800; from the Bunch of Grapes tavern running by Mr. Coolidge's new stores to Miller's in Milk street; street from State street across Liberty square to Milk street called Kilby street, and Adams street named Kilby street, throughout, July 6, 1824. L 839, L 853, L 2113.
- Kilsyth road**, Bri.; from Lanark road to Brookline line; authority to open Road No. 1 (Kilsyth road) given by Street Commissioners, May 13, 1893.
- Kilton street**, Dor.; from Washington street to Talbot avenue; portion between Harvard street and Park street called Carlton avenue, 1860; Carleton avenue and Carleton place, 1874; Carlton street, 1884; authority to open part from Harvard street, a short distance northerly, given by Street Commissioners, Aug. 13, 1895; authority to open from Washington street to Faxon street, under the name of Tilton street, given by Street Commissioners, May 15, 1895.
- Kimball place**, So. B.; from P street, near East Second street, west-erly; also called Kemble place.
- Kimball street**, Rox., 1872; from Tremont street (now Huntington avenue) near junction of Heath street, to Crafts street; now in Jamaica way.
- Kineo street**, Dor.; from end of Idaho street to Cedar street; now called Manchester street.
- King street**, B., 1708; from Cornhill (now Washington street) on each side of the Town House easterly to the sea; continued to low-water mark, 1711; from west end of Town House, east, to Long wharf,

- 1732; name changed to State street, 1784, having been called Congress street for a short time before new name was settled on.
- *King street, Rox.,** 1868; from Roxbury street to Elmwood street, name of Pearl street changed to King street, April 21, 1868; laid out, July 16, 1877. L 1255.
- *King street, Dor.,** 1858; from Dorchester avenue to Neponset avenue; laid out from Dorchester avenue to Adams street, Dec. 8, 1871; laid out, from Adams street to Train street, Oct. 21, 1878; laid out from Train street to Neponset avenue, April 27, 1889. L 722, L 1324, L 1510, L 2125, L 2712.
- King terrace, Rox.;** from King street near the bend, south-west; formerly called King-street court.
- King-street court, Rox.,** 1874; from King street, south-westerly; now called King terrace.
- *Kingsbury street, Rox.;** from Washington street to Bainbridge street; laid out, March 21, 1874. L 920.
- Kingsdale street, Dor.,** 1895; from Standish street to west of Bernard street; Coolidge avenue laid out with name of Kingsdale street, Nov. 23, 1895. L 2747.
- Kingsley street, Bri.;** from North Harvard street, to Rena street.
- Kingston court, B.;** from Kingston street, easterly, near Essex street; called Short-street court, 1827; named Kingston court or place in 1847; now built over.
- Kingston place, B.;** from Kingston street, easterly, near Beach street; included in extension of Tufts street, from Lincoln street to Kingston street, Sept. 28, 1889.
- Kingston place, Chsn.,** 1871; from Kingston street, easterly, then south-easterly.
- *Kingston street, B.,** 1800; from Summer street to Beach street; from Summer street to Short street, and Pond street, 1800; called Plymouth street in Edes' list, 1800; extended through Short street to Beach street, April 1, 1839. L 221, L 305, L 598, L 599, L 623, L 2201, L 2441.
- *Kingston street, Chsn.,** 1858; from Cambridge street to Sever street; laid out and accepted, Aug. 18, 1869.
- Kinross road, Bri.;** from Sutherland road to Commonwealth avenue.
- Kirk street, W. Rox.;** from Carl (now Montview) street to Crest street; formerly called Short street.
- *Kirkland street, B.,** 1858; from Pleasant street to Indiana place (now Corning street); called London street, from Pleasant street, 1838; extended to Indiana place (now Corning street), 1853; accepted and named Kirkland street, 1858. Vol. 31, pp. 75, 87. L 140½, L 548, L 838.
- Kitchen street, B.,** 1824; from Charles street to Spruce street, name changed to Branch avenue in 1849; laid out as Branch street, July 26, 1884.
- Kittredge place, B.,** 1860; from Washington street, south-westerly, near junction Friend street; from Friend street, south-westerly, 1860; portion included in the extension of Washington street, Nov. 6, 1872.
- *Kittredge street, W. Rox.,** 1882; from Washington street to Beech street; part of Roslin avenue, from Washington street to Norfolk street, laid out as Kittredge street, Dec. 22, 1882. L 1672, L 1673.
- Kittredge terrace, W. Rox.;** from Kittredge street near Washington street, westerly.
- *Knapp street, B.,** 1879; from Beach street, southerly, then easterly to Harrison avenue; Newton place, from Beach street, south, and

Plymouth place, from Harrison avenue, west, laid out and named Knapp street, May 14, 1879. L 1351.

Kneeland place, B., 1834; from Kneeland street, south-west, near Washington street; laid out as a public street named Whitmore street and extended to Harvard street, June 12, 1886. L 1910.

***Kneeland street**, B., 1800; from Washington to Federal street; from Orange (now Washington) street, east, 1732; from Orange street east to the water called Kneeland's lane by Selectmen's list of 1788; same called Kneeland street, 1800; continued to Front street (now Harrison avenue), 1805; extended from Front street to Lincoln street, 1835; name changed to Eliot street, July 16, 1838; renamed Kneeland street, June 2, 1840; extended to sea (now Federal) street, 1843; accepted conditionally from Harrison avenue to Lincoln street, Nov. 4, 1844; part which crosses track of B. & W. (now B. & A.) R.R. closed, as dangerous for public travel, Sept. 21, 1846; same rescinded, Nov. 16, 1846; part east of Harrison avenue called Marginal street in 1855; part between Albany street and Lincoln street discontinued, Dec. 17, 1855; same reopened, Dec. 30, 1856; accepted between Lincoln street and South street, Dec. 4, 1865. L 38, L 86, L 193, L 574, L 607, L 1626, L 1627, L 1628, L 1629.

Kneeland's lane, B., 1788; Kneeland street so called by Selectmen's list.

Kneller street, E. B., 1838; from Addison street to Trumbull street.

Knights' avenue, W. Rox.; from Green street, opposite Jamaica Plain station, north-east, then north-west, to Oakdale street; also called Knights' court.

Knoll street, W. Rox.; from Centre street, near Hewlett street, to Walter street.

Knower place, Rox., 1869; from Washington street, south-easterly, near Zeigler street.

***Knowlton street**, So. B.; from Telegraph street to East Eighth street; laid out, Nov. 17, 1868. L 1016.

***Knox street**, B., 1830; from Church street to Ferdinand street; from Lincoln court (now Church street) to the water, 1830; part of laid out from Church street to Ferdinand street, Dec. 13, 1870. L 387, L 391, L 404, L 585.

Knox street, E. B.; no record; Condor street bounded it in 1852; laid out as Glendon street, April 20, 1869.

Kuhn place, B., 1833; from Tremont street, west, south of Eliot street; now built over.

***L street**, So. B., 1805; from Reserved Channel, near end of Congress street, to the Strandway; from harbor, north of East First street, to Old Harbor, south of East Ninth street, with proposed extensions northerly to proposed extension of Eastern avenue (now Congress street) and southerly to line in Old Harbor, 1805; from salt water on the south to the Harbor of Boston on the north, laid out and named, Feb. 27, 1805; laid out from low-water mark north of First (now East First) street to Harbor line in Dorchester Bay, Nov. 17, 1868. L 158.

L-street bridge, So. B.; from foot of L street across Reserved Channel to foot of Summer street extension.

***Laconia street**, B., 1896; from Washington street to Harrison avenue; Ashland place laid out with the name of Laconia street, Feb. 15, 1896. L 2757.

***La Fayette avenue**, B., 1828; from Prince street to Endicott street; called Fayette avenue (from Prince street to Pond street) in 1825; name changed to La Fayette avenue in 1828; confirmed as public street, Sept. 15, 1834.

- La Fayette place**, Rox.; from Julian street, northerly, near Blue Hill avenue.
- La Fayette square**, Chsn., 1875; at junction of Main street and Warren street; named La Fayette square, June 22, 1875; name changed to Thompson square, July 19, 1875.
- La Fayette street**, E. B. (Breed's Island); from Orient avenue, north-east, then south-east to Orient avenue again.
- La Grange place**, B., 1828; from Washington street, west; extended to Tremont street, Oct. 14, 1864; name changed to La Grange street, Oct. 24, 1865. L 275. L 296.
- La Grange place**, Rox.; from Blue Hill avenue, north-westerly, between Winthrop street and Mt. Pleasant avenue.
- *La Grange street**, B., 1865; from Washington street to Tremont street, near Boylston street; name of La Grange place changed to La Grange street, Oct. 24, 1865. L 275, L 296.
- *La Grange street**, W. Rox., 1849; from Washington street, near Beech street, to Newton line; laid out from Centre street across West Roxbury Branch R.R. to Weld street, October 1869; laid out from Weld street to Newton line, July, 1871; extended to Shawmut avenue (now Washington street), Aug. 21, 1873, and Sept. 8, 1873. L 2037, L 2805.
- *Lake street**, Bri., 1847; from Washington street to Commonwealth avenue; laid out, April 27, 1847; accepted, conditionally, May 17, 1847; by the Town in 1854 and 1859; named by the Town, March 5, 1860; called "Lake street or Foster street" on plan dated 1866. L 2243, L 2244, L 2245, L 2280.
- Lake-Hill avenue**, W. Rox., 1851; from Cottage street, south-west, north-west, and north, to Cottage street again; shown on Plan L. 220, f. 321, Norf. Reg.
- Lakeville avenue**, W. Rox., 1846; from Centre street, north-west, towards Jamaica park; called Lakeville place.
- Lamartine court**, W. Rox.; from Lamartine street, south-easterly, to railroad, between Boylston street and Clark court.
- Lamartine place**, W. Rox.; from Green street to Lamartine street; Lamartine square so called, 1874.
- Lamartine place**, W. Rox.; from Lamartine street, easterly, to railroad, between Oak place and Lawndale terrace; shown as an unnamed place on plan.
- Lamartine square**, W. Rox.; from Green street, north-easterly, then north-westerly, to Lamartine street; called Lamartine place, 1874.
- *Lamartine street**, Rox. and W. Rox., 1848; from Green street to Centre street; formerly known as Boston avenue; laid out from Green street to Boylston street, Dec. 19, 1859; laid out from Centre street to boundary line between Boston and West Roxbury, Dec. 10, 1869; laid out from boundary line to Boylston street, March 10, 1873. L 503.
- Lamartine terrace**, W. Rox.; from Lamartine street, north-west, opposite Lamartine place.
- *Lambert avenue**, Rox., 1845; from Kenilworth street to Cedar street; early called Ascension street, and later, Walnut street; by deed dated 1835 abutters agree to call Ascension street Lambert avenue; conditional acceptance recommended by Selectmen, April 7, 1845; extended from Bartlett street to Kenilworth street, Nov. 28, 1881. L 1572.
- *Lambert street**, Rox., 1833; from Highland street to Lambert avenue; accepted, conditionally, April 25, 1864; accepted, finally, April 29, 1867.

- ***Lamont street**, Rox., 1887; from Linden Park street to Vernon street; Linden avenue laid out as a public street and named Lamont street, June 23, 1887. L 1998.
- Lamson court**, E. B.; from Lamson street, near Everett street, north-east.
- ***Lamson street**, E. B., 1871; from Webster street to Maverick street, with proposed extension to proposed part of Putnam street; proposed extension of Lamson street is now occupied in part by the location of the B., R. B. & L. R.R. L 1418, L 2172.
- Lanark road**, Bri.; from Kinross Road to Brookline line.
- Lancaster court**, } B.; from Lancaster street, south; called Lancaster
Lancaster place, } place, 1837; Lancaster court, 1839; built over about
1860.
- ***Lancaster street**, B., 1807; from Merrimac street to Causeway street; laid out from Merrimac street over the Mill-pond, Aug. 3, 1807; to Causeway street, 1841.
- Land's court**, B., 1852; from North street, nearly opposite Sun-Court street, south-east.
- Landseer avenue**, Rox.; from Seaver street nearly to Waumbeck street; called Landseer street on plan dated June 1, 1881; abandoned.
- ***Landseer street**, W. Rox.; from La Grange street to Bellevue street; laid out, June 13, 1892. L 2400.
- Lane place**, B., 1834; from Gibbs lane (now Oliver street), west, near Washington (now Fort Hill) square.
- Langdon court**, B., 1840; from Langdon place, west.
- Langdon place**, B., 1820; from North street, near Richmond street; south.
- ***Langdon street**, Rox., 1867; from Dudley street, north-easterly, to beyond George street, parallel with Shirley street; laid out from Dudley street to George street, July 8, 1871. L 629, L 1791.
- Lansdowne street**, Rox.; from Massachusetts avenue to Allerton street.
- ***Lansing street**, Rox., 1869; from Warren street to Sherman street; laid out, March 13, 1882. L 1589.
- Larch place**, W. Rox.; from Hyde Park avenue, opposite Florence street, to the railroad.
- Largo street**, W. Rox.; from Belgrade street (now Hyde Park avenue) to Newbern street, at Hyde Park line; see Charles Whitney's map of Roxbury dated 1843-49; now closed.
- ***Lark street**, So. B., 1868; from West Eighth street, south-westerly, to O. C. (now N. Y., N. H. & H.) R.R.; laid out from Eighth (now West Eighth) street to Sullivan (now West Ninth) street, Nov. 17, 1868; laid out from West Ninth street to O. C. (now N. Y., N. H. & H.) R.R., June 16, 1876. L 1158.
- Lark street**, W. Rox., 1874; from La Grange street to Bellevue street.
- La Rose place**, Bri.; from Union street, north-west, near Washington street.
- Lasell street**, W. Rox.; from Baker street, north-east, to beyond Caspar street; authority to open from La Grange street to a point north-east of Caspar street given by Street Commissioners, April 20, 1894; authority to open from Baker street to La Grange street given by Street Commissioners, March 5, 1895.
- Lathrop place**, B., 1836; from Hanover street, south-easterly, between Prince street and Richmond street.
- ***Laurel street**, Rox.; from Dale street to Humboldt avenue; name of Seneca street changed to Laurel street, May 10, 1870, but called

- Laurel street on plan dated 1869; laid out, Sept. 7, 1871. L 684, L 2121.
- Laurel street**, Dor.; from Norfolk street, near the cemetery, south-easterly.
- ***Laurel street**, Chsn.; from Monument square to Cedar street; shown as an unnamed street on plan dated 1839; laid out and accepted from Concord street to a lane running from High street to Bartlett street, Sept. 8, 1856.
- †**Lauriat avenue**, Dor.; from Norfolk street, westerly, to Blue Hill avenue; from Norfolk street crossing railroad and Ballou avenue to Blue Hill avenue; shown in 1874 and 1884; laid out from Blue Hill avenue to Tucker street, Sept. 7, 1895. L 2723, L 2724, L 2725.
- Lauriat street**, Dor.; from Lauriat avenue to Chapman avenue.
- Lauten place**, So. B.; from East Second street, north, between O street and P street; also shown as Simpson's court.
- ***Lawn street**, Rox., 1850; from Heath street, northerly, north-westerly, and south-westerly to Heath street; laid out from Heath street to Hayden street, June 16, 1892; laid out from Hayden street to Heath street, Dec. 14, 1893. L 2404, L 2573.
- Lawn street**, W. Rox., 1859; from Mount Hope street, north-easterly, near Canterbury street.
- Lawndale terrace**, W. Rox.; from Lamartine street, south-west, between Lamartine place and Helena street to N. Y., N. H. & H. R.R.
- Lawrence avenue**, Chsn.; from Lawrence street, north-east, nearly opposite Benedict street.
- ***Lawrence avenue**, Rox. and Dor.; from Blue Hill avenue to Magnolia (formerly Myrtle) street; called Lawrence street, 1846; seems to have been called Lawrence street until 1869, in which year it is shown on plans as both street and avenue; laid out as Lawrence avenue, Sept. 27, 1879. L 1381, L 1382, L 1946.
- Lawrence court**, So. B.; from West Third street, between B street and C street, south-west.
- Lawrence court**, Chsn.; from Lawrence street, south-west, between Benedict street and Austin street.
- Lawrence place**, B., 1844; from Cambridge street, northerly, between Blossom street and North Anderson street.
- Lawrence place**, Dor.; from Lawrence avenue, south-west, near Grove street; also called Lawrence place.
- Lawrence place**, Bri.; from Market street, south-east, near North Beacon street.
- Lawrence park**, Dor.; from Lawrence avenue; also called Lawrence place.
- ***Lawrence street**, B., 1866; from Berkeley street to Dartmouth street; laid out, Dec. 7, 1869. L 354.
- Lawrence street**, Rox. and Dor.; from Blue Hill avenue to Myrtle (now Magnolia) street; called Lawrence avenue.
- ***Lawrence street**, Chsn., 1824; from Union street to Phipps street; accepted, March 1, 1824; continuation from Austin street to Miller street accepted, May 4, 1837; continued to Phipps street, Nov. 25, 1844.
- Lawrence-street place**, Chsn.; from Lawrence street, south-westerly.
- Lawrence-street place**, Chsn.; from Lawrence street, south-easterly, between Chapman street and Austin street; shown in directory only.
- Learnard street**, Dor., 1870; from Norfolk street, opposite the cemetery, to Torrey street.

- ***Leather square**, B., 1867; from Channing street to Matthews street; called Sister street in 1732; name changed to Leather square, Sept. 24, 1867 L 77, L 330, L 455, L 834.
- Lebanon street**, Rox.; from Magnolia street to N. E. R.R.
- Leavitt place**, Dor.; from Brook avenue, north-west; shown as an unnamed place on plan dated 1855; later called Brook court; Leavitt place, 1873; Brook-avenue place, 1884.
- Lee place**, B., 1849; from Phillips street, northerly, between West Cedar street and Grove street.
- Lee street**, W. Rox., 1850; from Carolina avenue to Keyes street.
- Leeds court**, B; from Washington street, west, before 1840; supposed to have been included in Indiana place (now Corning street) or taken for the Worcester (now B. & A.) R.R.
- Leeds street**, So. B.; from Woodward street, south-westerly.
- Leeds street**, Dor., 1869; from Savin Hill avenue to Bay street.
- Leeds street**, Dor.; from Adams street to Dorchester avenue; shown as an unnamed street on plan dated 1861.
- ***Lehigh street**, B., 1843; from Albany street to South street; accepted and laid out as a public street, Nov. 8, 1852; extended to Sea (now Federal) street, April 30, 1856; order for extension rescinded, May 9, 1856.
- Leicester street**, Rox.; from Ivy street to Mountfort street; now closed.
- ***Leicester street**, Bri.; from Washington street to Arlington street; laid out from Bennett street to Arlington street, Aug. 16, 1893; laid out from Washington street to Bennett street, Oct. 12, 1896. L 2532, L 2791.
- Leighton park**, B.; in the rear of Dartmouth street, Truro street, Yarmouth street and Columbus avenue.
- Leighton street**, B.; from Truro street, southerly.
- Leland place**, B., 1856; from Washington street, north-westerly, near Waltham street.
- Leland street**, W. Rox.; from Wachusett street, south-east, to cemetery, and from Wachusett street, north-west, towards Wenham street; authority to open given by Street Commissioners, July 19, 1893.
- Leman place**, B.; from High street, north-west, between Broad street and Battery-march street.
- Lendall's lane**, B., 1733; from Leverett's lane (now Congress street), opposite the Quakers' meeting-house, to Kilby street; same as Lindall's lane.
- Lenox court**, B.; from East Lenox street, north-easterly, near corner Harrison avenue.
- ***Lenox street**, B., 1833; from Washington street, opposite East Lenox street, to Tremont street; from Washington street to Suffolk street (now Shawmut avenue), 1833; to Tremont street, 1851; accepted, conditionally, "as at present laid out," July 6, 1853; accepted, finally, from Washington street to Shawmut avenue, Oct. 9, 1854; accepted, conditionally, from Shawmut avenue to Tremont street, Aug. 4, 1857. L 22, L 264, L 500.
- ***Leon street**, Rox., 1894; formerly Avon place; name changed to Leon street, March 1, 1894. L 1244.
- Leonard court**, Dor.; from Leonard street, south-east, near Leonard place.
- Leonard place**, Dor.; from junction of Leonard street and Duncan street, south.

Leonard place, So. B.; from East Fourth street, near N street, south-east.

***Leonard street**, Dor., 1870; from Duncan street to Clayton street; laid out, Nov. 2, 1896. L 2795.

Le Roy street, Dor.; from Geneva avenue to Ditson street.

Leslie park, Rox.; from Walnut avenue, north-westerly, near corner Dale street.

Lester place, W. Rox.; from Centre street, east, between Green street and St. John street.

Letterfine terrace, Dor.; from Howard avenue, south-east, nearly opposite Dewey street.

Leutman place, Rox.; from Texas street, south-westerly, near Elmwood street; also called Luteman place.

Levant street, Dor.; from Geneva avenue to Topliff street; shown in 1894.

Leveret's lane, B., 1708; from King (now State) street to Water street; also called Quaker's lane, from State street by Dalton's row to Milk street, 1784; from Water street to Milk street called Dalton street, 1788; from State street to Milk street called Congress street, 1800.

Leverett alley, B., 1812; from Leverett street, east; called also Leverett place, previously to 1812; called New Prince street, Cross street and Tucker street; name changed to Lyman place in 1834, and Lyman street in 1856.

Leverett avenue, B., 1859; from Leverett street, south-westerly, nearly opposite Minot street; called Phillips court, 1843; Leverett avenue, 1859.

Leverett court, B., 1822; from Leverett street north; named Cotting street, 1843.

Leverett court, B., 1852-59; from Leverett street, west, near Hammond avenue.

Leverett lane, B., 1831; from Leverett street to Wall street, 1831; named Cushman avenue, 1855.

Leverett place, B., 1812; from Leverett street, east; called also Leverett alley; previously called New Prince street, Cross street and Tucker street; name changed to Lyman place, April 14, 1834; called Lyman street, 1856.

***Leverett street**, B., 1733; from Green street, north-westerly, to Craigie's bridge; from Green lane to Barton's point, 1733; from Tucker's corner to the new alms-house, 1800; extended to Central or Craigie's bridge, 1809; from westerly end of street "as now laid out" to Canal bridge accepted, conditionally, Aug. 19, 1856. Vol. 31, pp. 68, 74. L 935, L 988.

***Lewis park**, Rox., 1864; from Highland street, near Linwood street.

Lewis place, Rox., 1869; from Dudley street, south-westerly, opposite Clarence street.

***Lewis street**, B., 1831; from Commercial street to Moon street; laid out as a new street opposite Mercantile wharf, Oct. 19, 1831; street near head of Lewis wharf named Lewis street, March 26, 1838; laid out from North street, through Moon-street court, to Moon street, March 25, 1893. L 81, L 2506.

***Lewis street**, E. B.; from Sumner street to East Boston South Ferry; Maverick square to South Ferry, June 12, 1848. L 207.

Lewis street, So. B.; name changed to Jenkins street, Aug. 7, 1855; Jenkins street, by chart, 1874, from Dorchester street, south-easterly, to O. C. (now N. Y., N. H. & H.) R.R.

Lexington avenue, Chsn.; from Bunker Hill street to Concord avenue; shown as an unnamed street on plan dated 1839.

- Lexington avenue**, Bri.; from Washington street, south-westerly, crossing Union street and Cushman street; shown as an unnamed street in 1873; laid out between Washington street and Union street as Shannon street, July 8, 1892; portion from Union street, south-westerly, now closed.
- Lexington place**, E. B.; from Lexington street, south-east, near corner Marion street.
- ***Lexington street**, E. B., 1834; from Border street to Eagle street; from Meridian street to Eagle street accepted, April 28, 1873; accepted at junction Lexington street and Eagle street, Nov. 1, 1858. L 107, L 1383.
- †**Lexington street**, Chsn., 1839; from Monument square to Medford street; formerly from Monument square to Bunker Hill street; shown as an unnamed street on plan dated 1834; accepted from Monument square to Bunker Hill street, Dec. 23, 1844; extended to Medford street, March 15, 1848; name of part from Wallace court to Tremont street changed to Monument square, Feb. 2, 1860.
- ***Leyden street**, E. B. (Breed's Island), 1886; from Wauwatosa avenue to Beachmont avenue; Elm street, laid out from Breed street to Washburn avenue (now Walley street) as Leyden street, Aug. 23, 1886; extended from Walley street to Atlantic (now Beachmont) avenue, July 3, 1888; extended from Breed street, over Elm street, to Chelsea avenue, July 30, 1889. L 1938, L 1939, L 2080, L 2148, L 2149, L 2171.
- Leyden street**, Rox., 1849; from Brookline avenue to Plymouth street; now portion of Bernier street.
- ***Leyland street**, Dor.; from East Cottage street to Burgess street; laid out, Dec. 22, 1891. L 2378.
- ***Liberty square**, B., 1793; at the junction of Kilby street, Water street and Batterymarch street; named, Jan. 24, 1793; confirmed as a public way, Sept. 15, 1834. L 850.
- Liberty street**, B., 1820; from Liberty square to Broad street; made part of Water street, March 20, 1826.
- Liberty street**, So. B.; from Preble street, southerly, near N. Y., N. H. & H. R.R.
- Libby street**, W. Rox.; from Mt. Vernon street, near La Grange street to Keith street.
- Lilly street**, So. B.; from Tudor street to West Seventh street, between E street and F street.
- ***Lime alley**, B., 1708; from Charter street to Commercial street; from the burying-place in Charter street to Adkins' lime kiln in Lyn street, 1708; from Alley's ship-yard at Hudson's point to the north burying-place, 1800.
- ***Lime street**, B., 1845; from River street to Brimmer street; called C street, 1830; name changed to Lime street, 1845; laid out, Dec. 29, 1875; extended to Brimmer street, May 13, 1881. L 1124.
- Lime-street alley or place**, B., 1860; from Lime street, south-east; formerly called Allen place.
- Limerick place**, B., 1847; from Hanover street, east, near Commercial street; cannot be now identified.
- Linck alley**, B.; same as Link alley.
- Lincoln court**, B., 1829; from Fayette street; Church street extended to Tremont street through Lincoln court, June 24, 1852. Vol. 31, p. 40
- Lincoln park**, So. B.; from East Third street, south, between I street and K street.
- Lincoln place**, B.; from Winchester street, southerly, near Church street.

- *Lincoln place, B.**, 1863; from Worcester street to West Springfield street; laid out, Oct. 9, 1877. L 1276.
- Lincoln place, B.**; from 9 Salutation street, south.
- Lincoln place, Rox.**, 1861; from Weston street, formerly Sudbury street, north-east.
- Lincoln place, Rox.**; name changed to Grosvenor place, April 21, 1868. (Grosvenor place extends from Washington street to Cliff street.)
- Lincoln place, Chsn** ; from Elm street, south-easterly, between High street and Bartlett street.
- Lincoln square, So. B.**; between East Fourth street M street and Emerson street.
- *Lincoln street, B.**, 1795; from Summer to Kneeland street; from Summer street to Essex street, 1795; from Church square to Essex street by Carleton's map, 1800; confirmed as a public street, Sept. 15, 1834; extended southerly from Essex street through Batterman place to the passenger depot of the B. & W. (now B. & A.) R.R. Sept. 5, 1836; accepted, Oct. 16, 1837; part between Harvard street and Ontario street relocated to the westward of present location, 1844; to Lehigh street, 1846; now to Station and land of B. & A. R.R. at Kneeland street. L 61, L 73, L 85½, L 833, L 2515.
- *Lincoln street, Dor.**, 1869; from Dorchester avenue to Adams street; shown as an unnamed street in 1867; laid out as a town way, Dec. 28, 1869. L 771.
- Lincoln street, Chsn.**, 1869; from Main street to Rutherford avenue; name of Walker's avenue or West Walker street leading from westerly side of Main street changed to Lincoln street, Dec. 27, 1869. L 1220.
- *Lincoln street, Bri.**, 1846; from Market street to Cambridge street, where it is called "Lincoln street (formerly Centre street);" accepted from Market street to Franklin street, near Allston station, June 13, 1883; portion of Franklin street between Lincoln street and Cambridge street called Lincoln street being a continuation of the same, April 25, 1876. L 2390.
- Lindall alley, } B.**; from Phillips street, northerly, then easterly, to
Lindall court, } Lindall place; called Lindall alley, 1868; Lindall court, 1870.
- Lindall place, B.**, 1831; from Cambridge street, near West Cedar street, south-westerly.
- Lindall street, B.**, 1821; from Congress street to Kilby street; name of Lendell's lane changed to Lindall street, Sept. 19, 1821; named Exchange place, Oct. 14, 1873. L 203, L 822, L 853.
- Lindall street, W. Rox.**, 1895; from Washington street to Ashland street; authority to open given by Street Commissioners, March 26, 1895.
- Lindall's lane, B.**; called also Lyndall's Lindal's, Lendall, and Lendell's lane; from Leveret's lane (now Congress street), opposite the Friend's meeting-house, to Oliver's dock, 1733; from Leveret's lane to Kilby street, 1788; to Oliver's dock, 1800; called Magnor's row in 1801; renamed Lindall's lane the same year; from Congress street to Kilby street, 1817; name changed to Lindall street, Sept. 19, 1821; called Exchange place in 1873.
- Linden avenue, Rox.**; from Linden-Park street to Lamont street; also called Linden park.
- Linden avenue, Rox.**; from Linden park to Vernon street; laid out as a public street and named Lamont street, June 23, 1887. L 1998.
- Linden court, Dor.**; from Linden street, near Dorchester avenue, south.
- Linden park, Rox.**; from Linden-Park street to Lamont street; also called Linden avenue.

- *Linden park**, Rox., 1836; from Roxbury street, west, crossing Linden avenue and Gay street, curving northerly and easterly to Linden avenue, where the part from Main (now Roxbury) street to Ruggles (now Cabot) street is called Ruggles street; accepted from Ruggles street to Gay street, July 7, 1852; extended from Gay street, including a part of Clay street, to Simmons street, Nov. 8, 1884; named Linden-Park street, March 1, 1885, name of Clay street, from Simmons street to Tremont street (now Columbus avenue) changed to Linden Park street, March 1, 1885. L 1833.
- Linden place**, B., 1852; from Allen street, north, between Spring street and Chambers street.
- Linden place**, Rox.; from Linden Park, northerly, parallel with Cabot street; now Prentiss place.
- Linden place**, So. B.; from East Seventh street between I street and K street.
- *Linden street**, So. B.; from East Fourth street to Thomas park; dedicated (conditionally) as a public way, Oct. 30, 1861; laid out, Nov. 17, 1868. L 235, L 259.
- *Linden street**, Rox., 1863; from Grove Hall (now Blue Hill) avenue to Elm Hill avenue; accepted, Oct. 24, 1864; name changed to Wayne street, April 21, 1868. L 1778.
- *Linden street**, Dor.; from Adams street to Commercial (now Freeport) street; from Adams street to Dorchester avenue accepted, April 4, 1853; continuation to Commercial street, accepted, March 5, 1855.
- Linden street**, W. Rox., 1870; from Montgomery street to Webster street, parallel with Pleasant street.
- Linden street**, W. Rox., 1872; from Beech street to Bellevue street or avenue.
- Linden street**, W. Rox., 1871; from Brandon (formerly Williams) street to Birch (formerly Prospect) street, and from Dudley avenue, south-east, to near Birch street.
- *Linden street**, Chsn., 1844; from Bunker Hill street to Medford street; laid out and accepted, June 26, 1865; made a continuation of Baldwin street, Oct. 8, 1867.
- *Linden street**, Bri., 1850; from Cambridge street to Commonwealth avenue; laid out from Cambridge street to Gardner street, Dec. 17, 1873; accepted conditionally, Dec. 30, 1873; laid out, Sept. 16, 1876; extended to Brighton avenue, May 26, 1884; extended to Massachusetts (now Commonwealth) avenue, June 2, 1885. L 1170, L 1778, L 1860, L 2388.
- *Linden-Park street**, Rox., 1885; from Roxbury street to Tremont street (now Columbus avenue); name of part of Linden Park, from Roxbury street to Clay street, at Elmwood street changed to Linden-Park street, March 1, 1885; name of Clay street, from Simmons street to Tremont street, changed to Linden-Park street, March 1, 1885.
- Link alley**, B., 1708; from the junction of Union street and Hanover street, north-east, to the Mill-pond; called North Federal court, 1806; discontinued in 1857, and built upon and closed in 1860.
- †Linnet street**, W. Rox., 1848; from Bellevue street to La Grange street, also from Martin street to Linnet street; laid out from Bellevue street to La Grange street, Aug. 16, 1878. L 1315.
- Linsey street**, Dor., 1893; from Waldeck street, south-west, near Park street; authority to open given by Street Commissioners, Jan. 18, 1893.
- Linwood park**, Rox.; part of Linwood street, near its junction with Centre street.

- Linwood place**, B., 1836; from South street, near Summer street, east. L 1471.
- Linwood place**, Rox., 1859; from Linwood street, north-west, to Centre street; now part of Linwood street.
- Linwood place**, Chsn.; from Main street, north-east, between Salem street and School street.
- †**Linwood square**, Rox., 1868; from Centre street to Linwood street; name of part of Linwood street changed to Linwood square, April 21, 1868; laid out, June 6, 1873. L 494, L 864.
- ***Linwood street**, Rox.; from Centre street to Highland street; also formerly from Linwood street to Highland street; part shown as an unnamed street on plan dated 1859; name of part changed to Linwood square, April 21, 1868; laid out from Centre street to Highland street, Nov. 16, 1869. L 494, L 496.
- Lisbon street**, E. B., 1834; from Sumner street to Maverick street; shown on plan dated 1836; discontinued.
- Liszt street**, W. Rox.; from Washington street to West Roxbury Parkway.
- Litchfield court**, E. B.; from Sumner street, north-east, near Cottage street.
- Litchfield street**, Bri.; from Lincoln street, north-east, to Avenue place; authority to open given by Street Commissioners, Oct. 14, 1892.
- Lithgow street**, Dor., 1895; from Washington street, near Brent street, north-east, crossing Talbot avenue; authority to open given by Street Commissioners, Oct. 18, 1895.
- Little alley**, B., 1836; near Prince street.
- Little Napier street**, B.; from Napier street to Brighton street; named Barton court, April 21, 1868.
- Liverpool avenue**, E. B.; from Liverpool street to Border street, between Maverick street and Decatur street; formerly called Erin alley.
- ***Liverpool street**, E. B., 1833; from Sumner street to Central square; accepted, Nov. 22, 1852.
- Livingston place**, B., 1844; from Livingston street; name changed to Breen place, May 10, 1870; included in Charles river embankment (now Charlesbank).
- †**Livingston street**, B., 1838; from Brighton street to Charles river; from Brighton street, west, 1838; to the river, 1842; accepted and named from Brighton street to Charles street, June 4, 1844; across North Charles street, 1859; portion from Charles street to Charles river now included in Charlesbank; name of, from Brighton street to Charles street, changed to Chambers street, March 1, 1894.
- Llewellyn avenue**, Rox., 1853; from Walnut street (now Walnut avenue), southerly, to Williams (now Humboldt) avenue extended; Crawford street extended through it, Dec. 4, 1879. L 1408, L 1409.
- Lochstead street**, W. Rox.; from Centre street to Jamaica way; authority to open given by Street Commissioners, Jan. 30, 1895.
- Locke place**, So. B.; from East Fourth street, north, between H street and I street.
- Locksley street**, W. Rox.; from Enfield street; authority to open given by Street Commissioners, Dec. 28, 1892.
- Locust street**, Dor., 1864; from Dorchester avenue, easterly, to O. C. (now N. Y., N. H. & H.) R.R.
- ***Logan street**, Rox.; from Thornton street to Lambert avenue; laid out, Nov. 27, 1888. L 2107.

- Lombard place**, B., 1856; from Prince street, south-westerly, then north-westerly, to Thacher street; from Prince street, west, near Salem street, 1856.
- Lombard place**, So. B.; from Ellery street, north-easterly.
- Lombard street**, Dor.; from Carruth street to Bushnell street.
- London court**, E. B.; from London street, between Porter street and Marion street, south-easterly.
- London street**, B., 1838; from Pleasant street; extended to Indiana place (now Corning street), May 16, 1853; accepted and name changed to Kirkland street, Nov. 16, 1858. Vol. 31, p. 75. L 140½.
- ***London street**, E. B., 1833; from Summer street to Bennington street at junction with Marion street; accepted, Nov. 22, 1852. L 677.
- Long acre**, B., 1777; the wall on the west side of Common (now Tremont) street, between Winter street and School street; called also Paddock's Mall.
- Longfellow street**, Dor.; from Toppliff street to Draper street; authority to open given by Street Commissioners, July 20, 1892.
- Long lane**, B., 1708; from Milk street to Cow lane (now High street); called Federal street in 1788.
- ***Longmeadow street**, Dor.; from Clifton street to Batchelder street; laid out, June 19, 1891. L 2303.
- Long wharf**, B., 1809; from Atlantic avenue, easterly, opposite State street; agreement as to building wharf, highways and cartways on same, etc., March 13, 1809; so called as it is supposed to be the longest on the continent, being 1,700 feet in length and above 100 feet in breadth; street on Long wharf running at right angles to North and South Market streets, continued in southerly direction to southerly front of stores on Long wharf, July 28, 1825. Vol. 31, p. 47. L 1001.
- ***Longwood avenue**, Rox., 1857; from Parker street to Brookline line; from Brookline avenue, through Pilgrim street to Beacon street, Brookline; laid out by County Commissioners as a highway, June, 1857; named from Punch Bowl road to Longwood creek or Muddy river, Dec. 7, 1857; accepted and named from Parker street to Brookline Branch of the Western avenue (Brookline avenue), July 29, 1867.
- Longwood-avenue court**, Rox.; from Longwood avenue, south-west, near Parker street.
- Longwood park**, Rox.; between Bellevue street, Austin street, Brookline avenue and Park street.
- Longwood street**, Rox., 1850; from Brookline avenue, opposite Francis street, to Longwood avenue; part west of Brookline avenue to angle in said street laid out as Francis street, Oct. 19, 1874; remainder of street now in Riverway.
- Lonsdale street**, Dor., 1895; from Dorchester avenue to Adams street; authority to open given by Street Commissioners, April 30, 1895.
- Lorenzo street**, Dor.; from Walnut street to Wood street; formerly called Wood-street court.
- Lorette street**, W. Rox.; from Centre street opposite Cottage avenue, north-westerly, to beyond Hillerest street.
- Loretto street**, W. Rox.; from Spring street, north-west, near Baker street.
- ***Loring street**, So. B., 1884; from West Seventh street to West Eighth street; Clapp street laid out as a public street and named Loring street, Aug. 27, 1884. L 1808.
- Lorraine street**, Dor., 1895; from Stanwood street to Brunswick street; authority to open given by Street Commissioners, Dec. 7, 1895.

- Lorraine street**, W. Rox.; from Colberg avenue to Belgrade avenue.
- Lothrop place**, B.; from Hanover street, south-east, between Prince street and Richmond street; also called Lathrop place.
- Lotus avenue**, W. Rox., 1856; from Lotus street to Williams street; now closed.
- Lotus place**, W. Rox.; from Washington street, south-easterly, nearly opposite Burnett street, to Stony Brook.
- Lotus street**, W. Rox., 1856; from Forest Hills street to Williams street; portion from Williams street, south-west, abandoned.
- Louisburg square**, B., 1826; from Pinckney street to Mt. Vernon street.
- Louisiana place**, E. B.; from Princeton street, near Marion street, south-east.
- Love lane**, } B., 1708; from North street to Salem street; called
Love street, } North Writing School lane, 1789; Love lane, from North street by the North writing school to Salem street, 1800; name changed to Tileston street, June 20, 1821.
- Love lane**, Dor., 1836; from Wales lane (now Geneva avenue) south-east, to Love lane avenue (now part of Olney street).
- Love-lane avenue**, Dor., 1836; from Bowdoin avenue (now Rosseter street) north-east, to Love lane (Green street, now Geneva avenue); now a part of Olney street.
- Lovedeod court**, Rox.; from Chadwick street, north-west, near corner of Hampden street.
- Lovell place**, B.; from Poplar street, south-west, to the junction of Kennard court and Elder place; Lovett place so called in 1883.
- Lovering place**, B., 1855; from Washington street to Harrison avenue, near Asylum street.
- Lovett place**, B., 1836; from Poplar street, south, near Brighton street; called Lovell place, 1883.
- Lovis street**, So. B.; from West Fifth street to Gold street near E street.
- *Lowder's lane**, W. Rox., 1849; from Centre street, near May street, south-westerly, then westerly; see Charles Whitney's map of Roxbury dated 1843-49; also called Louder's lane.
- Lowe street**, W. Rox., 1892; from Woodside avenue to Sylvia street; authority to open given by Street Commissioners, Aug. 10, 1892.
- Lowell court**, } B.; from Boylston street, near Common (now Tremont)
Lowell place, } street, south; Lowell court, 1806; later to La Grange street; laid out and named Tamworth street, April 28, 1880. L 1452.
- Lowell court**, B., 1847; from Tamworth street (formerly Lowell place) east.
- Lowell square**, B., 1852; on Cambridge street and Lynde street; public square in front of the West church in Cambridge street named Lowell square, Aug. 30, 1852.
- *Lowell street**, B., 1834; from Causeway street to Brighton street; from Causeway street, west, 1834; from Causeway street to Brighton street, accepted, laid out and named, July 18, 1842.
- Lowell street**, B., 1826; laid out over the Neck, July 24, 1826; second of new cross streets, at southerly part of city, extending from Tremont street to Suffolk street (now Shawmut avenue) named Lowell street, Sept. 15, 1834; called South Lowell street in 1848; name changed to Milford street, May 14, 1849.
- *Lowell street**, Rox., 1833; laid out as a new public highway from road near Guy Carlton's factory, in a southerly direction to old Boston & Providence road, near Hog bridge, September, 1833; road

from Carlton's to Heath street named Lowell street, Sept. 23, 1834; name changed to Pyncheon street, April 21, 1868.

Lowell street, Chsn., 1837; from Bunker Hill street, north-east, to Mystic river.

Lower road; from Roxbury to Milton; old name of Adams street; also a part of Dudley street.

Lowland place, E. B.; from Everett street, between Cottage street and Lamson street, south-westerly.

***Lowland street**, So. B., 1868; from East Eighth street to Jenkins street; name of Highland street changed to Lowland street, April 21, 1868; laid out from Eighth (now East Eighth) street to Jenkins street, Nov. 17, 1868; name changed to Mercer street, March 1, 1888. L 191, L 192.

Lubec street, E. B., 1845; from Swift street to Maverick street; authority to open between Parkway and Prescott street given by Street Commissioners, April 21, 1893.

†**Lucas place**, } B.; from Washington street to Tremont street; from
Lucas street, } Washington street, west, called Lucas place, 1828; Lucas street, 1851; extended to Tremont street, 1855; Lucas street laid out from Middlesex street to Shawmut avenue, Oct. 13, 1891. L 544, L 545, L 546, L 547, L 724, L 2346.

Lucas street, Bri.; from North Beacon street to Mapleton street, laid out from North Beacon street to Elmira street as Etna street, Nov. 10, 1893.

***Ludlow street**, Chsn., 1884; from Eden street to Mead street; Garden place laid out as a public street and named Ludlow street, June 30, 1884. L 1786.

Luelner place, Dor.; from Dorchester avenue, east, parallel with Centre street; shown as an unnamed court in 1867; included in Dix street upon its extension to Dorchester avenue, Oct. 2, 1877.

Luke street, Bri.; near Washington street in 1859; no record.

Luteman place, Rox.; from Texas street, south-westerly; called also Leutman place.

Luther place, B., 1868; from Commercial street, near Henchman street, south-west.

Lyd's corner, B., 1708; corner of Hanover street and Wing's lane (now Elm street) then so called.

Lyman avenue, Bri., 1856; from Market street, north-westerly, to railroad; then parallel with it to Hillside avenue; laid out with a part of Hillside avenue, as Wicklow street, Dec. 5, 1881. L 1577.

Lyman place, B., 1869; from Lyman street, south-westerly, towards Green street.

Lyman place, B., 1834; from Leverett street, east; previous to 1812 called New Prince street, Cross street, Tucker street; called Leverett place or alley in 1812; Lyman place, April 14, 1834; changed to Lyman street, July 23, 1856.

***Lyman street**, B., 1856; from Staniford street to Leverett street; part from Leverett street, east, called New Prince street, at times previous to 1788; Cross street, 1802; Tucker street, 1803; Leverett place or alley, 1812; named Lyman place April 14, 1834; name changed to Lyman street, July 23, 1856; Staniford street extended over part of, May 11, 1886. L 1905.

Lynde avenue, Chsn., 1852; from Main street, south-westerly, then south-easterly to Austin street.

Lynde court, } B.; from Lynde street, westerly; called Lynde
Lynde place, } place, 1837; Lynde court, 1874; also Lynde-
Lynde-street place, } street place.

- *Lynde street**, B., 1732; from Cambridge street to Green street.
- *Lynde street**, Chsn., 1838; from Arrow street to Austin street at junction of First street; accepted from Arrow street to Union street, March 27, 1843; accepted from Union street to Austin street, March 27, 1849.
- Lyndeboro' place**, B., 1838; from Carver street at its junction with Pleasant street, north-easterly.
- *Lyndeboro' street**, Chsn., 1847; from Essex street to Middlesex street; laid out and accepted, Dec. 21, 1857; entrance from Essex street enlarged, May 14, 1866.
- *Lyndhurst street**, Dor.; from Washington street to Allston street; laid out, May 8, 1894. L 2598.
- Lynn street**, B., 1708; from the North Battery, north-westerly, to the ferry-way by Hudson's point; laid out after the "great desolations" of the war, March 5, 1787; from Winnisimmet ferry to Charles River bridge, 1800; the part from North Battery to Winnisimmet ferry being included in Ship street; together with part of Ann street, named Commercial street, Feb. 17, 1834.
- *Lynn street**, B., 1884; from Cooper street to Thacher street; Thacher avenue laid out as a public street and named Lynn street, Sept. 10, 1884. L 1819.
- Lynnville terrace**, Dor.; from Washington street, south-west, nearly opposite Eldon street; formerly called Hartford place.
- Lyon place**, Rox.; from Shawmut avenue, near corner Camden street, south-east.
- *Lyon street**, Dor.; from Dorchester avenue to Adams street; laid out, Aug. 10, 1893. L 2524.
- Lyon street**, W. Rox., 1825; from Centre street by Lyon's; named, May 9, 1825; name changed to Bellevue avenue, April 2, 1860.
- Lyons street**, Dor.; from Lauriat avenue to Franklin Field.
- *M street**, So. B., 1805; from East First street to East Ninth street, with proposed extensions northerly to Harbor, and southerly to line in "Old Harbor;" from salt water on to south, to Harbor of Boston on the north; laid out and named, Feb. 27, 1805; laid out from low-water mark north of First street to Harbor line in Dorchester Bay, Nov. 17, 1868; portion south of location of proposed East Tenth street included in the Strandway. L 7, L 2078.
- M-street place**, So. B.; from M street, west, between East Fifth street and East Sixth street.
- Maccarty's corner**, B., 1708; corner of King (now State) street and Leveret's lane (now Congress street) then so called.
- Mackerel**,
Macril,
Mackrill, } lane, B., 1708; from King (now State) street to Water street; called Kilby street, 1769.
- Mackin street**, Bri.; from Western avenue to Waverly street. L 2782.
- Madison avenue**, Dor., 1874; from Madison (now Morton) street to Willowood (formerly Shreve) street.
- Madison avenue**, Chsn., 1875; from Tremont street to Ferrin street.
- Madison avenue**, Bri., 1875; from Washington street, south-westerly, crossing Union street, Cushman street, and Ames street; shown as a contemplated street from Washington street to Union street.
- Madison court**, Rox., 1853; from Parker street, easterly, near Huntington avenue.
- Madison park**, Rox.; between Marble, Warwick, Westminster and Sterling streets; same called Madison square, 1884.

- Madison place, B.**, 1826; from Pleasant street, near Eliot street, west; afterwards to Church street; closed on extension of Columbus avenue; 1872. L 393, L 613.
- Madison place, B.**, 1868; from Washington street, east, near Dover street, parallel with Washington street between Dover street and Decatur street, opening through an arch into Washington street.
- Madison square, Rox.**; between Marble, Warwick, Westminster and Sterling streets; at one time called Madison park. L 659.
- *Madison street, Rox.**, 1868; from Washington street to Shawmut avenue, called Webster street; name changed to Madison street, April 21, 1868; laid out, July 21, 1876. L 530.
- Madison street, Dor.**, 1840; from Norfolk street, opposite Forest Hills avenue (now Morton street), to Back (now Harvard) street (West Roxbury line), opposite Morton street; same named, March 11, 1840; new road from Lower Mills in Dorchester to Jamaica Plain laid out by County Commissioners, September, 1852, including parts of Forest Hills avenue, Madison street, and Morton street; part from Back street to Canterbury street named Morton street; name of Madison street, from Norfolk street to Back street, changed to Morton street, March 1, 1888. L 2074.
- Magazine lane, Rox.**; from junction Hampden street and Dudley street to Magazine street, north of St. Patrick's church; part of Magazine street, from end of present Dunmore street to Dudley street, so called after Magazine street was straightened to Dudley street; named Dunmore street, Jan. 28, 1884.
- Magazine road, Rox.**; Magazine street sometimes so called.
- *Magazine street, Rox.**, 1662; from Dudley street, opposite Blue Hill avenue and Mt. Pleasant avenue, to Swett street; Town way from Dudley street to Pine Island laid out, Jan. 19, 1662; called Magazine lane, Magazine road and Magazine street; extended from end of present Dunmore street in a straight line to Dudley street, Dec. 15, 1873, remainder of old street to Dudley street being called Magazine lane and named Dunmore street, March 1, 1884; relocated from East Chester park (now Massachusetts avenue) to Norfolk street, July 17, 1886. L 936, L 937, L 1921, L 2263.
- Magdala street, Dor.**; from Codman street to Van Winkle street; Bromley atlas, 1894.
- Magnolia square, Dor.**; from Magnolia street, north-west, near Chamblet street.
- *Magnolia street, Dor.**, 1882; from Dudley street to Lawrence avenue; from Dudley street to Quincy street located and accepted as Myrtle street, March 2, 1853; extended to Lawrence avenue, Sept. 16, 1876; named Magnolia street, March 1, 1882. L 1163, L 2169.
- Magnolia street, W. Rox.**; from Washington street opposite Burnett street, south-east.
- Magnor's row, B.**; boards placed at corner of lane leading from Kilby street, with name of Magnor's row upon them, removed and replaced by others bearing the former name of Lindall's lane, June 24, 1801.
- Magog place, Rox.**; from Albany street, north-west, near Hunneman street.
- Mahan avenue, Rox.**; from Hampshire street to Downing street.
- Mahan place, B.**, 1839; from Pleasant street, east, near Eliot street.
- Mahn's terrace, W. Rox.**; from Amory street, north-west, near Boylston street.
- Maiden lane, Rox.**; from Hampden street to Reed (now Reading) street.

- Main street, Rox.;** the present Roxbury street so called on plan dated 1836.
- *Main street, Chsn.;** from City square to Somerville line; altered and straightened from corner of Water street nearly to the Neck or Causeway, 1780; alteration of the road at the Neck and at junction of road leading to Cambridge approved, May 12, 1800; lands conveyed for purpose in 1801 and 1804; laid out on or near land when vacant by fire, Dec. 23, 1835; laid out anew from Charlestown square to southerly side of railroad, in direction of Charles River bridge, Oct. 6, 1845; from Bunker Hill street to Cambridge street accepted and laid out as a public way, Sept. 4, 1865; laid out and accepted, Dec. 31, 1867; straightened and laid out between Eden street and Mead street. July 20, 1868. L 1086, L 1787, L 1898, L 2255.
- Main street, Bri.;** Washington street so called on plan dated 1843.
- Main-street court, Chsn.;** from Main street, north-east, then north-west; name changed to Hathon square, April 24, 1878.
- Maitland street, Rox.;** from Beacon, south-easterly, to Brookline Branch of B. & A. R.R.
- Malbon place, Rox.,** 1868; from Roxbury street, north, parallel with Gay street; name of Eliot place changed to Malbon place, April 21, 1868.
- *Malcolm street, B.,** 1891; from Chestnut street to Mt. Vernon street; Chestnut avenue laid out with name of Malcolm street, Dec. 16, 1891. L 2376.
- Malcom street, W. Rox.;** from Colberg avenue to Central station.
- Malden court, B.,** 1859; from Malden street, north, near Harrison avenue.
- Malden place, B.,** 1843; from Malden street, north, near Harrison avenue.
- Malden road, Chsn.;** an old name of Alford street, from Main street to Malden bridge.
- *Malden street, B.,** 1826; from Washington street to Albany street; laid out on the Neck, July 24, 1826; named from Washington street to Front street (now Harrison avenue), Sept. 15, 1834; to Albany street, 1854; extended from Harrison avenue to Albany street, Dec. 14, 1859. L 150.
- Mall, The, B.;** on the east side of the Common, about 1790; extended to the end of "Foster's pasture, lately so called," May 13, 1795.
- *Mall street, Rox.,** 1825; from Eustis street to Dearborn street; from Davis (now Albany) street to Eustis street, north-east of the Mall, named Mall street, May 9, 1825; line changed, July 16 and Sept. 3, 1860; line established, Nov. 27, 1865. L 1517.
- Mall-street place, Rox.;** from Mall street to Webber street; now Douglass avenue.
- Mallett street, Chsn.,** 1837; from Bunker Hill street to Mystic river, near present location of Walnut street.
- Malone block, (B.,** 1855; a block of buildings on the east side of
Malone place, (Washington street, between Concord street and Worcester street (now Worcester square), 1855; called Malone place in 1859.
- Malta street, Dor.,** 1896; from River street, near Hyde Park line, to Edgewater drive; authority to open given by Street Commissioners, Feb. 24, 1896.
- Malvern street, Dor.;** from Adams street to Milton street.
- Malvern street, Bri.,** 1841; from North Beacon street (now Brighton avenue), to Ashford street; laid out by Selectmen, Dec. 17, 1873; accepted, conditionally, Dec. 30, 1873.

Man place, Rox.; from Yeoman street, north-easterly, between Chadwick street and Adams street; so shown in an atlas dated 1884; now Yeoman place.

Manchester street, Dor., 1895; from Cedar street, westerly.

Manning street, W. Rox.; from Gilman street to Berry street.

Manning's yard, Rox.; from No. 18 Fellows street.

Manor street, Rox.; from Farmgate street to an unnamed street leading to Reservoir, and parallel with Fisher avenue.

Mansfield place, Chsn.; from Tremont street, south-west, near Chelsea street; formerly Arlington place.

***Mansfield street, Bri.,** 1882; from Cambridge street to Hill avenue (now Easton street); part of Otis street laid out, from Cambridge street to Hill avenue, with name of Mansfield street, April 17, 1882. L 1600, L 2387.

***Mansur street, Rox.;** from Day street to Schiller street; laid out, July 16, 1891. L 2315.

Mansur street, W. Rox.; from Metropolitan avenue to Hyde Park line.

Maple avenue, Bri.; from Market street to Murdock street, between Elmira street and Garden street.

Maple avenue, Rox.; from Brookline avenue, westerly, then curving south-westerly, to Longwood avenue, opposite Bellevue street; part of formerly Appleton place; accepted, conditionally, June 29, 1863; Bellevue street extended over Maple avenue, from Longwood avenue to Brookline avenue, Feb. 14, 1887. L 1976, L 1977.

***Maple-avenue court, Rox.;** accepted conditionally with Bellevue street and Appleton place, June 29, 1863; conditions do not appear to have been complied with or street built (and not given in directories or on chart).

Maple park, Rox.; from Dale street, south-west, between Laurel street and Sherman street.

Maple place, B., 1837; from Harrison avenue, west, then north, to Oak street; from Harrison avenue, west, next south of Oak street, 1837.

Maple place, E. B.; from Havre street, south-east, near Porter street, to an unnamed place; same called Model place in 1884.

Maple place, W. Rox.; from Starr lane, south, crossing Seaverns avenue.

Maple place, W. Rox.; from Canterbury street, north-west; shown on a map of Roxbury dated 1849; now a part of Mount Hope avenue. L 2503.

Maple street, B., 1822; from Chestnut street to Olive (now Mount Vernon) street; name changed to Willow street in 1823.

***Maple street, Rox.;** from Seaver street to Georgia street; accepted, Oct. 24, 1864; shown from Seaver street to and across Schuyler street in 1874 atlas; laid out from Schuyler street to Georgia avenue (now street), Oct. 2, 1877. L 1269.

Maple street, Dor.; from Norfolk avenue, north-east, nearly to Willow court, crossing Clapp street and East Chester park (now Massachusetts avenue).

***Maple street, W. Rox.;** from Centre street to Weld street, shown as an unnamed street on plans dated 1851.

Maple street, W. Rox.; from South street, near Roslindale station, to Prospect (now Penfield) street; name changed to Birch street, Dec. 5, 1876.

Mapleton street, Bri.; from Market street to Murdock street; Whitney street now so called.

- Maple Grove avenue**, Dor.; from Bowdoin avenue to Union avenue (now Rosseter street); laid out as Bullard street, March 21, 1888. L 2059.
- Marbury terrace**, Rox., 1895; from Amory street to N. Y., N. H. & H. R.R.; authority to open under the name of Radcliffe terrace given by Street Commissioners, July 15, 1895; authority to change name to Marbury terrace given by Street Commissioners, Sept. 17, 1895.
- Marble court**, B., 1859; from Lynde street, west.
- *Marble street**, Rox.; from Westminster street to Warwick street; shown but not named on plan dated 1860; laid out, Sept. 1, 1871. L 660.
- *Marcella street**, Rox.; from Washington street to Centre street; shown but not named on plan dated 1845; on Charles Whitney's map of Roxbury, 1849, from Dedham turnpike to Highland street; plan dated 1860, shows contemplated continuation of Marcella street from Highland street, north, then north-west; lines of Marcella street and Highland street changed, Dec. 22, 1862; accepted, Dec. 27, 1864. L 981.
- *March avenue**, W. Rox.; from Bellevue street to Park street; laid out, Nov. 2, 1876. L 1188.
- *Margaret alley**, B., 1814; from Snowhill street to Margaret lane (now street); confirmed as a public street, Sept. 15, 1834; named Margaret avenue, 1837; called Cleveland place, 1846.
- *Margaret avenue**, B., 1837; from Snowhill street to Margaret lane (now street); called Margaret alley, 1814-1837; named Cleveland place, 1846.
- Margaret lane**, B., 1733; from Prince street, north; called Margaret street, in 1796; given as Margaret Lane on Carleton's map, 1800, and in Edes' list, 1800.
- *Margaret street**, B., 1796; from Prince street to Sheafe street; Margaret lane, 1733-1796; confirmed as a public street, Sept. 15, 1834. L 1539.
- Marginal street**, B., 1824; from South Market street to Clinton street; included in Commercial street in 1825.
- Marginal street**, B., 1832; including Commercial street, Sea street and part of Front street, and laid out between these to make a continuous street from north to south part of city, May, 1832; now Commercial street, Atlantic avenue, Federal street, from Summer street to Kneeland street, Kneeland street to Harrison avenue, and Harrison avenue to Northampton street.
- *Marginal street**, E. B., 1833; from Lewis street to Harbor; accepted and laid out from Lewis street to Cottage street, May 10, 1852; extended south-east from Jeffries street to the water, Feb. 1, 1897. L 110, L 187, L 188, L 2812
- Marie avenue**, Rox.; from Lambert avenue, east, opposite Lambert street.
- Marine park**, So. B.; at City Point, South Boston.
- Mariner place**, B., 1859; from Purchase street, west, south of Belcher's lane; also shown as Mariner's place; built over.
- Marion court**, E. B.; from Marion street, south-west, between Havre street and Paris street; Directory gives it Marion place.
- Marion court**, E. B.; from Marion street, south-west, between Eutaw street and Monmouth street; same given Eutaw place in Directory, and on Bromley's atlas of East Boston dated 1892.
- Marion place**, E. B.; from Marion street, south-west, between London street and Havre street; so given in Bromley's atlas of East Boston, dated 1892; Directory of 1894 gives Marion court; called Appian place in 1896.

- ***Marion street**, B., 1825; from Pleasant street, west, to the Back Bay; from Pleasant street to Church street laid out and named, Oct. 24, 1862; name changed to Melrose street, April 20, 1869. L 387, L 395.
- ***Marion street**, E. B.; from Meridian street, at junction with White street, to Bremen street, with proposed extension to proposed part of Front street; from White street to Bennington street shown on plan dated 1834; to Cottage street on plan dated 1845; accepted from Chelsea street to White street, June 3, 1856; accepted from Chelsea street to Bremen street, Dec. 4, 1861; laid out, Sept. 15, 1868; extended from White street to Meridian street, Jan. 15, 1872. L 21, L 678, L 775, L 1126, L 1653.
- Marion street**, W. Rox.; from Florence street, north-east, to B. & P. (now N. Y., N. H. & H.) R.R.
- ***Marion street**, Chsn.; from Bunker Hill street to Princeton street; laid out, Oct. 27, 1851.
- Mark street**, Rox., 1896; from Day street, south-east; authority to open given by Street Commissioners, Nov. 11, 1896.
- Market place**, B., 1788; near the Town dock; called Corn Market, 1708, and Market square about 1784; a part of Faneuil Hall square in 1855.
- Market place**, B., 1818; from Newbury (now Washington) street, west, next north of Boylston street, 1818; Gibbon's place, 1784; now Gibbon court; called Gibbon place in Directory, 1884 and 1894.
- Market place**, Rox.; from Tremont street, south-east, between Vernon street and Clay (now Linden Park) street.
- Market row**, B., 1818; the name given to buildings between Market street and Dock square, to avoid confusion of numbers on Cornhill, Oct. 1, 1817; now Cornhill.
- Market square**, B., 1784; north, south, and west sides of Faneuil Hall market; changed to Faneuil Hall square in 1855. Vol. 31, p. 61.
- Market street**, B., 1817; from Court street to Cornhill (now Washington) street; new street from Court street to the Market, named Market street, June 11, 1817; name changed to New Cornhill, Jan. 29, 1827; same named Cornhill, May 16, 1829.
- ***Market street**, B., 1807; from Portland street to Canal street; laid out over the Mill-pond, Aug. 3, 1807; named in 1829; extended to Charlestown street, 1836; part across B. & M. R.R. discontinued, April 7, 1845; part of laid out as part of Haymarket square, April 21, 1845; discontinued between Canal street and Haverhill street in 1848.
- ***Market street**, Bri., 1840; from Washington street to Western avenue; road leading to Cambridge widened, 1826; named from "near Unitarian Meeting-house, north-east, to River street" (now Western avenue), June 15, 1840.
- Marlboro' place**, B., 1813; from Washington street, about opposite Bromfield street, to Hawley street; closed in 1848.
- Marlboro' row**, B., 1816-25; Marlboro' street, opposite Old Province House; same as Province House row.
- ***Marlboro' street**, B., 1856; from Washington street to Bradford street; called Washington court, 1845; accepted conditionally, and when accepted to be named Marlboro' street, Oct. 27, 1856; no record of fulfilment of conditions, but Marlboro' street accepted, Oct. 4, 1859; name changed to Acton street, Feb. 29, 1864.
- Marlborough street**, B. 1708; from Summer street to School street; made a part of Washington street, June 6, 1824.
- ***Marlborough street**, B. and Rox., 1858; from Arlington street to Ipswich street, now Charlesgate-east; from Arlington street, west, on Back Bay land, 1858; from Arlington street to Berkeley street ded-

- icated as a public highway, Dec. 21, 1864; from Berkeley street to Dartmouth street laid out, Dec. 7, 1869; from Dartmouth street to Exeter street laid out, July 24, 1873; from Exeter street to Gloucester street laid out, Aug. 3, 1874; from Gloucester street to Hereford street laid out, Feb. 19, 1876; from Hereford street to West Chester park (now Massachusetts avenue) laid out, June 13, 1879; from West Chester park to Ipswich street, Dec. 28, 1882. L 374, L 862, L 952, L 953, L 1131, L 1356, L 1683.
- Marlou terrace**, W. Rox.; from Lamartine street, north-west, between Green street and Bell street.
- Marlowe street**, Dor.; from Park street to Vinson street.
- Marmion street**, W. Rox.; from Cornwall street, north-east, near Brookside avenue.
- *Marsh lane**, B., 1708; from Union street, east, to Creek square; the way leading from Creek lane (now square) to Mr. Webb's corner in Union street, 1708; from Odiorne's, east, to Creek lane, 1800; from Union street to Creek square, 1817.
- †Marsh street**, Dor., 1840; from junction Adams street and Granite avenue, generally easterly and south-easterly towards Neponset river; laid out previous to 1805 and called Davenport's lane; road to the landing-place by Daniel Pierce's straightened, etc., and named Marsh street, March 11, 1840.
- Marshall place**, B., 1846; from Charter street, south-west, next to Copp's Hill Burying-Ground.
- Marshall place**, Chsn.; from Walnut street, north-west.
- *Marshall street**, B., 1822; from Union street, to Hanover street, called Marshall's lane, 1708; named Marshall street, April 3, 1822. Vol. 31, p. 44.
- Marshall street**, W. Rox.; from Spring street, near Gardner street, north.
- Marshall's alley**, B., 1784; from Kilby street, east; from Kilby street, east, to the water, 1800; called Bangs alley, 1803-1825; probably the alley-way next south of Doane street.
- Marshall's court**, Chsn.; from Bow street, east.
- Marshall's lane**, B., 1708; from Hanover street to Union street; named Marshall street, April 3, 1822.
- *Marshfield street**, Dor., 1886; from Clifton street to Norfolk avenue; from Clifton street to Batchelder street laid out, Aug. 13, 1886; from Batchelder street, including Dolan court, to Norfolk avenue, July 5, 1890. L 1929, L 2241.
- Marston avenue**, Dor.; from Blue Hill avenue, at junction Warren street, east included in extension of Geneva avenue, May 26, 1880. L 1462.
- Marston place**, B., 1828; from Chambers street to Leverett street, with two openings into Leverett street; from Chambers street, east, 1828.
- Martin street**, W. Rox., 1848; from La Grange street, across Park street.
- *Marvin street**, Rox., 1885; from Washington street to Shawmut avenue; laid out May 11, 1885. L 1858.
- Mascoma street**, Dor.; from Quincy street to Lawrence avenue.
- Mascot street**, Dor.; from Mountain avenue to Ballou avenue; authority to open given by Street Commissioners, July 20, 1893.
- Mason court**, B., 1825-29; from Elm street, north; now a private passage.
- Mason court**, B., 1857; from Mason street, east, later Mason place; now built over.

- Mason court**, Chsn.; from Sullivan street, south-east, between Bartlett street and Russell street.
- Mason place**, B.; from Mason street, east (called Mason-street place on chart, 1884); formerly called Mason court; now built over.
- ***Mason street**, B., 1809; from West street, south-west, to Avery street, then west, to Tremont street; shown on Carleton's map, 1795; from West street to Sheafe's lane (now Avery street) named, 1809; included a part of Sheafe's lane, 1834; confirmed as a public street, Sept. 15, 1834; the site of the Haymarket. Vol. 31, p. 78. L 1084.
- ***Mason street**, Chsn.; from Bow street to Front street. L 1622.
- Mason-street place**, B.; from Mason street, east; called Mason place in Directory and records; now built over.
- ***Massachusetts avenue**, Bri.; from Brighton avenue, at Malvern street, to Chestnut Hill avenue; opposite entrance to Chestnut Hill reservoir; laid out, Nov. 5, 1883, including Washburn street from Harvard avenue, south-westerly, towards Warren street; name changed to Commonwealth avenue, March 1, 1887. L 1742, L 1743, L 1744, L 1745.
- ***Massachusetts avenue**, B., Rox. and Dor., 1894; from Charles river at Harvard bridge to Cottage street, at Boston street; the names of West Chester park, Chester square, Chester park, and East Chester park, changed to Massachusetts avenue, March 1, 1894. Vol. 31, p. 1. L 98, L 261, L 303, L 452, L 502, L 516, L 805, L 805½, L 862, L 1140, L 1327, L 1328, L 1329, L 1330, L 1331, L 1352, L 1512, L 1585, L 1701, L 2133, L 2299, L 2485, L 2493, L 2546, L 2547.
- Massasoit avenue**, Dor.; from Talbot avenue to New England avenue; Bromley atlas, 1894.
- Matchett street**, Bri.; from Washington street, near Newton line, to Richards street.
- Mather court**, Dor.; from Dorchester avenue, west, now Mather street.
- ***Mather street**, Dor.; from Dorchester avenue to Allston street; called Mather court on plan dated 1854; laid out, Aug. 12, 1869. L 1201, L 1202, L 1307.
- Mather street**, So. B.; with part of Boston street named Dorchester street, July 3, 1855.
- Mattapan street**, Dor.; from Tileston and Blue Hill avenues, near Walk Hill street, north-west, to Tileston avenue again.
- Mattapan street**, W. Rox.; from Shawmut avenue (now Washington street) to Dorchester line; named, April 2, 1860; called Ashland street before and since.
- ***Matthews street**, B., 1868.; from Federal street to Congress street; called Round lane, 1732; Williams street, 1821; name changed to Matthews street, April 21, 1868. L 350, L 365, L 455. L 718, L 844.
- ***Maudlin street**, Chsn.; from Wapping street to Foss street; "March 2, 1767," continuation 14 feet wide from Water street to Charles river restored to original width, Nov. 28, 1831; no record of discontinuance from Foss street to the river.
- ***Maverick square**, E. B., 1833; from Sumner street, opposite Lewis street, to Maverick street, opposite Meridian and Chelsea streets; laid out as Hotel square, Aug. 7, 1848; no record of change of name.
- ***Maverick street**, E. B., 1833; from New street to Jeffries street; laid out from Orleans street to Hotel square, Aug. 7, 1848; laid out from Hotel square to New street, Dec. 16, 1850; street accepted, Nov. 22, 1852.
- Maxfield street**, W. Rox.; from Bellevue street to La Grange street.

- *Maxwell street**, Dor.: from Nelson street to Milton avenue; laid out, June 8, 1891. L 2301, L 2302.
- May place**, B., 1833; from Oak street, northerly, by two exits to Nassau street.
- May place**, Rox.; from Ruggles street, north, between Field street and Leon street (formerly Avon place).
- May place**, W. Rox.; from end of May street, north-east; so called in deed.
- *May street**, B., 1733; from Butolph (now Irving) street, west, to the water, 1733; by Carleton's maps, 1795 and 1800, from Hancock street to the water; leading to the powder-house, 1800; the portion from Hancock street to Butolph street called Myrtle street, 1806; from South Russell street to Charles street, 1817; laid out and continued through to Belknap (now Joy) street, June 9, 1834; confirmed as a public street, Sept. 15, 1834; discontinued as a public street, March 17, 1835; name changed to Revere street (from South Russell street to Charles river) Aug. 7, 1855.
- May street**, Dor.; from Glen road (now Glenway street) to Greenwood street.
- *May street**, W. Rox.; from Centre street to Pond street; named, May 9, 1825; probably a public highway some time previous; shown on plan dated 1845; May's lane named May street, May 7, 1855. L 1678.
- May-street court**, B., 1849; from May (now Revere) street, near West Cedar street; named Revere-street court, 1858.
- May-street place**, B., 1844; from May (now Revere) street, near Grove street; named Revere-street place, 1857.
- *Mayfair street**, Rox., 1882; from Elmore street to Bainbridge street; name of Wilmont street changed to Mayfair street, March 1, 1882. L 1470.
- *Mayfield street**, Dor.; from Dorchester avenue to Bakersfield (formerly F) street; part between Dorchester avenue and Pleasant street laid out, Nov. 25, 1882; authority to open part between Pleasant street and Bakersfield street, which was then called C street, given by Street Commissioners, May 4, 1892; laid out from Pleasant street to Bakersfield street, July 23, 1895. L 1665, L 2715.
- *Maynard street**, W. Rox., 1887; from Metropolitan avenue to Poplar street; laid out, Oct. 17, 1887. L 2033.
- *Mayo street**, B.; from Castle street to Cobb street, near Washington street; laid out, Sept. 21, 1886. L 1948.
- Mayo street**, W. Rox.; from Washington street to Kittredge street.
- May's court**, B., 1812; from Belknap (now Joy) street, west; named Smith court, 1848.
- May's lane**, W. Rox.; May street, from Centre street to Pond street, so called at one time.
- Maywood place**, Rox.; from Maywood street, north-east, near Blue Hill avenue.
- *Maywood street**, Rox.; from Warren street to Blue Hill avenue; laid out, April 9, 1875. L 1035, L 1036.
- Maywood terrace**, Rox.; from Maywood street, south-west, near Warren street.
- McGee street**, Rox.; from Norfolk avenue to Sherwood street, near Germain street.
- McLean court**, B., 1829; from McLean street, south-westerly, then north-westerly, south-westerly, and southerly, to Seabury place, and south-easterly, towards Chambers street, and southerly, to Eaton street; called South Allen court, 1822; McLean court (from McLean street, south), 1829.

- ***McLean street**, B., 1828; from Chambers street to Blossom street; called "Thirty-foot passage," 1784; from Wiltshire (now Chambers) street, westerly, Carleton's map, 1800; called South Allen street, 1806; accepted, recorded as a public street and named McLean street, Dec. 22, 1828; from Chambers street to Blossom street, 1829; confirmed as a public street, Sept. 15, 1834.
- McLellan avenue**, Dor.; from Blue Hill avenue, south-west, near Glen road (now Glenway street); laid out, with the name of McLellan street, from the Old road to Erie street, Dec. 29, 1892, and from Erie street to White (now Bradshaw) street, Oct. 16, 1894. L 1469.
- ***McLellan street**, Dor., 1892; from Blue Hill avenue, to Bradshaw street; McLellan avenue laid out, with the name of McLellan street, from the Old road to Erie street, Dec. 29, 1892, and from Erie street to White (now Bradshaw) street, Oct. 16, 1894; extended by relocation, to Blue Hill avenue, Nov. 27, 1896. L 2483, L 2673, L 2799.
- McLellan street**, B.; from Reed street, near corner of East Lenox street, north-west.
- McManus court**, Chsn.; from Quincy street, north-westerly.
- †**Mead street**, Chsn., 1844; from Main street to Bunker Hill street; laid out from Main street to Russell street, Aug. 4, 1851.
- Mead street**, Bri.; from Raymond street near Franklin street north-east.
- Mead-street court**, Chsn.; from Mead street, north-west, opposite Ludlow street.
- ***Meander street**, B.; from East Dedham street to Malden street, between Washington street and Harrison avenue; laid out by City prior to 1834; named by City in 1850; accepted, July 23, 1862. L 1704.
- Mechanic court**, B.; from Mechanic street.
- Mechanic court**, B., 1844-46; from Washington street, west, north of Winter street; closed.
- Mechanic court**, B., 1855; from Hawley street between Franklin street and Milk street; closed.
- Mechanic court**, So. B.; named on plan dated 1855.
- Mechanic place**, B., 1823; from Orange (now Washington) street, west, near Pleasant street; called Ohio place, 1843, and Ohio street (from Washington street to Shawmut avenue), 1872.
- Mechanic place**, Bri., 1856; from Mill-dam road (now North Beacon street), south-west; plan in Middlesex Reg. South District, 17 A, No. 1; part of now included in Mechanic street.
- Mechanic street**, B., 1825; from Hanover street to North street; called City court; from Fish (now North) street, west, in 1822; called Mechanic street in 1825.
- Mechanic street**, So. B.; name changed to Rogers street, Aug. 7, 1855 (Rogers street from Dorchester street to Preble street).
- †**Mechanic street**, } Rox., 1844; from Willis street, crossing Ruggles
- Mechanics street**, } street to Madison court; whole street shown on plan dated 1853; accepted and named, from Ruggles street to Madison court, June 27, 1864; previously called Mechanicks court or place and Mechanics street. L 939, L 2242.
- Mechanic street**, Rox., 1843; from Dedham and Providence turnpike (now Washington street), north-west, then north-east, to Cedar street; the first part is now part of Oakland street, and the second, part of Thornton street.
- Mechanic street**, Chsn.; from Putnam street to Adams street; same in 1875; laid out from Putnam street with the name of Ellwood street, Sept. 13, 1887. L 2018.

- Mechanic street**, Bri., 1860; from North Beacon street (now Brighton avenue), south, then east to Allston street; part of sometimes called Mechanic avenue; part of formerly called Mechanic place.
- †**Mechanicks court or place**, Rox.; from Willis street, crossing Ruggles street, to Madison court; called also Mechanic and Mechanics street; accepted and named Mechanic street, from Ruggles street to Madison court, June 27, 1864.
- Mechanics place**, So. B.; from East Seventh street, south, between L street and M street; same given Pleasant place in Directory, 1884.
- Mechanics row**, B.; from Washington street, east, between Savoy (formerly South May) street and Cottage place; known as Sands place, 1859; Ottawa place, 1873; and as Temple Park, 1879.
- Medfield street**, Rox.; from Audubon road to St. Mary's street, formerly Monmouth street.
- Medford court**, B.; from Medford street, south-west, near Charles-town street; enclosed.
- Medford court**, B., 1844; from Washington street to Bradford street; from Washington street, west, 1844.
- Medford road**, Chsn., 1834; from West Cambridge road (plan in south Middlesex Reg., '349 end).
- ***Medford street**, B., 1807; from Charlestown street to Causeway street; laid out over the Mill-pond, Aug. 3, 1807.
- ***Medford street**, Chsn., 1837; from junction of Main street, and Bunker Hill street to Chelsea street; new street laid out on north-east side of Bunker Hill from the Neck to Salem turnpike (now Chelsea street), Dec. 7, 1835; laid out and named Medford street, from town way leading to Johnson's wharf to a cross street contemplated to connect with Bunker Hill street (Main street to Everett street), March 27, 1837; continued towards Salem turnpike "so far as deemed expedient for interest of Town," Nov. 25, 1844; continuation from Everett street to Tufts street laid out, April 26, 1845; continuation from Everett street to Lexington street laid out, July 21, 1848; extended from Lexington street to Chelsea street, Jan. 3, 1852. L 934.
- Medford turnpike**, Chsn.; from Main street to Somerville line; laid out by County Commissioners, June 26, 1867; name of so much as lies within limits of Charlestown changed to Mystic avenue, April 13, 1869.
- Medford-street court**, B.; from Medford street, north-east; enclosed.
- ***Medway street**, Dor., 1889; from Adams street to Milton Branch of N. Y., N. H. & H. R.R., Riverview avenue laid out from Adams street with the name of Medway street, Oct. 21, 1889. L 2183.
- Meer's corner**, B., 1708; south side of Dock square, corner of the Corn Market then so called.
- Melbourne street**, Dor.; from Centre street to Welles avenue.
- Mellen street**, Dor.; from Ocean street to Montague street; authority to open from Waldorf street to Montague street given by Street Commissioners, July 19, 1893.
- Melrose place**, B., 1849; from Poplar street, north-east, between Chambers street and Spring street; same called Parris place in 1845-49.
- ***Melrose street**, B., 1869; from Pleasant street to Ferdinand street; from Pleasant street, west to the Back Bay called Marion street, 1825; laid out from Pleasant street to Church street and named Marion street, 1862; name changed to Melrose street, April 20, 1869. L 387, L 391, L 392, L 395.
- Melton road**, Bri., 1895; from Wallingford road to the junction of Colonial road and Nottingham road; authority to open given by Street Commissioners, Jan. 1, 1895.

- *Melville avenue**, Dor.; from Washington street to Dorchester avenue; shown from Washington street to Allston street on plan dated 1863; laid out from Washington street, and extended to Dorchester avenue, Dec. 28, 1869. L 553, L 554, L 1141, L 1142.
- Melville place**, B.; from Spring street, north-west, near Milton street; same in 1840.
- Melynes corner**, B., 1708; the northerly termination of Common (now Tremont) street.
- Melzer street**, W. Rox.; from Catherine street.
- Mendelssohn street**, W. Rox.; from Washington street to Nikisch avenue, near corner of Beech street.
- Mendum street**, W. Rox.; from Walter street to Fairview street; authority to open given by Street Commissioners, April 21, 1894.
- *Menlo street**, Bri., 1891; from Henshaw street to Sparhawk street; laid out, Nov. 13, 1891. L 2360.
- Mennig court**, Rox.; from Hampshire street, south-east, near Culvert street.
- Menton street**, Dor., 1895; from Groveland street to Standard street; authority to open given by Street Commissioners, May 20, 1895.
- *Mercantile street**, B.; from South Market street to Richmond street; from Clinton street to 90 feet north of Richmond street, 1856; street leading from Clinton street to Richmond street in rear of Mercantile wharf. Buildings named Mercantile street, July 1, 1857; portion north of Richmond street extended; discontinued, Oct. 8, 1875; extended from Clinton street to South Market street, Dec. 19, 1879. Vol. 31, p. 104. L 20, L 1042, L 1412.
- Mercantile wharf**, B.; from Atlantic avenue, south-east, next south of Commercial wharf. L 1001.
- *Mercer street**, So. B., 1863; from Dorchester street to Jenkins street; laid out from Dorchester street to East Eighth street, Nov. 17, 1868; name of Lowland street, from East Eighth street, opposite Mercer street, to Jenkins street, changed to Mercer street, March 1, 1888. Vol. 31, p. 95. L 191, L 192.
- Merchants hall**, B., 1817; in Water street.
- *Merchants' row**, B., 1708; from State street to North street; from King (now State) street north, to the Town Dock, 1708; from Faneuil's corner round to Woodmansie's wharf, 1732; from State street across the east end of Faneuil hall, 1784; from State street to Ann (now North) street, including part of Roebuck passage, 1825; Roe Buck passage from the Town Dock to Ann street laid out as a continuation of Merchants' row, Oct. 9, 1826; continued to Blackstone street, Dec. 8, 1834; angular piece, between estates of Moses Pond and George B. Richardson, discontinued, March 31, 1851; the portion between North Market street and North street was formerly called Swing-Bridge lane, Fish lane, and Roebuck passage.
- Meridian place**, E. B.; from Central square, near Meridian street, east.
- *Meridian street**, E. B., 1833; from Maverick square to Meridian-street bridge north of Condor street; accepted at junction of Paris street, Aug. 12, 1836; accepted from Hotel (now Maverick) square to Paris street, Aug. 27, 1849; laid out, accepted and named from Paris street to Saratoga street, Dec. 30, 1850; same laid out and named, July 28, 1851; remaining portion not accepted (from Saratoga street to Condor street) laid out as a public highway, May 10, 1852; laid out from Condor street to low-water mark on south side of Chelsea creek, Sept. 10, 1884. Vol. 31, p. 23. L 342, L 1820.
- Merlin street**, Dor.; from Park street to Athelwold street.
- Merlin street**, W. Rox.; from Centre street to Weld street.

- Merrau's alley**, B., 1744; from South street, east; see deed l. 69, f. 252, Suffolk Registry.
- Merriam place**, Rox.; from Thornton street, south-east, near Marcella street.
- Merriam street**, W. Rox.; from Brookside avenue to Stony brook, near corner of Germania street.
- ***Merrill street**, Dor.; from Glenarm street to Erie avenue (now Erie street); from New Seaver (now Seaver) street to Erie avenue, 1874; laid out from New Seaver street to Erie avenue, August, 1881; altered, Oct. 21, 1882; name of part from angle at Glenarm street to New Seaver street changed to Glenarm street, March 1, 1883. L 1545, L 1657.
- Merrimac place**, B., 1857; from Merrimac street, south, near Norman street; called Paris place, 1848; named Merrimac place, 1857.
- ***Merrimac street**, B.; from Haymarket square to Causeway street; laid out over the Mill-pond, from Union street to Causeway street, Aug. 3, 1807; accepted in 1813. L 280.
- Merry's point**, B., prior to 1666 the site of the North Battery; now Battery wharf.
- Merton place**, Rox.; from Centre street to Newark street (formerly Eaton court).
- Messenger street**, B., 1856; from Chestnut street to Beacon street; called D street, 1828; named Messenger street, Jan. 5, 1856; name changed to Brimmer street, April 20, 1869. L 266.
- Messinger street**, Dor.; from Rockville street, north-westerly, crossing N. E. R.R., Haven avenue, Bismarck and Favre streets.
- Metcalf street**, W. Rox.; from Dudley avenue, north-east, crossing Houston street.
- Methodist alley**, B., 1796; from North (now Hanover) street to Ship (now North) street; named changed to Hanover avenue, Aug. 24, 1829.
- ***Metropolitan avenue**, W. Rox.; from north-west of Washington street to Hyde Park line; laid out from Shawmut avenue (now Washington street) through Hyde Park to Brush Hill road (now Blue Hill avenue), Milton, March, 1872.
- Metropolitan place**, B.; 1859; from Washington street, west, near Arnold street; laid out and extended to Shawmut avenue and named Woodbury street, March 29, 1882. L 1594.
- Meyer street**, W. Rox.; crossing Catherine (formerly Spruce) street, north and south, between Florence street and Bourne street.
- ***Michigan avenue**, Dor.; from Columbia street, near Blue Hill avenue, to Erie avenue (now Erie street); laid out, Dec. 15, 1875. L 1116.
- Middle street**, B., 1708; from the Mill bridge to Jonas Clark's corner at the end of Bennet street; from the Mill bridge to the Rev. Mr. Murray's Meeting-house, 1800; from Mill creek to North street, 1817; made a part of Hanover street, July 6, 1824.
- ***Middle street**, So. B.; from Dorchester street to Dorchester avenue; extended to Dorchester avenue, Dec. 17, 1861; accepted from Dorchester street to Dorchester avenue, May 23, 1865; laid out from Dorchester street to Federal street (now Dorchester avenue), Nov. 17, 1868. L 240, L 322.
- Middle street**, Chsn., 1810; from Bartlett street to Bunker Hill street; Oliver Holden conveys to Town for a public highway a parcel of land now used as a road called Middle street, running from Bartlett street, north-easterly, to Bunker Hill street, nearly parallel with Pleasant street, July 17, 1810; same later part made a part of School street.

- Middle street**, Bri., 1882; from Third street to Fifth street; now in Brighton cattle-yards, near B. & A. R.R.
- Middlecot street**, B., 1769; from Cambridge street, south, to Beacon Hill; laid out as a 40-foot street from Cambridge street to near the present Derne street, 1727; included in Bowdoin street, July 6, 1824.
- Middlegate street**, Chsn.; existed previous to 1831; name changed to Prescott street, Dec. 5, 1836.
- Middlesex place**, B., 1826; from Washington street, west, south of Bedford street; closed in 1845.
- Middlesex place**, B., 1851; from Middlesex street, near West Castle (now Castle) street; built over in 1861.
- *Middlesex street**, B.; from Castle street to Dover street; from West Castle (now Castle) street to Hingham street, 1831; extended from Hingham street to Dover street, Oct. 10, 1870. L 251, L 545, L 547, L 566, L 567, L 715, L 720, L 724, L 838, L 1849.
- *Middlesex street**, Chsn.; from Main street to Rutherford avenue at junction Essex street; laid out from Main street to Essex street and accepted, Dec. 21, 1857.
- Middleton avenue**, Dor.; from Norfolk street, north-west, near Morton street.
- Midland street**, So. B.; from First street, north-east; laid out over land and flats of Boston Wharf Company from First (now West First) street towards Eastern avenue (now Congress street) Dec. 17, 1855; name changed to A street, April 21, 1868.
- *Midland street**, Dor., 1869; from Savin Hill avenue to Bay street; laid out, July 13, 1874. L 947.
- Midway street**, So. B., 1897; from Richards street to Binford street; authority to open given by Street Commissioners, Jan. 18, 1897.
- Milford place**, Rox., 1848; from Tremont street to Grinnell street; laid out, with name of Sarsfield street, Dec. 10, 1887. L 2046.
- *Milford street**, B., 1849; from Shawmut avenue to Tremont street; laid out over the Neck, July 24, 1826, and named Lowell street, Sept. 15, 1834; called South Lowell street, 1848; named Milford street, May 15, 1849; accepted Dec. 7, 1857. L 19, L 117.
- *Milk street**, B., 1708; from Washington street to India street, opposite Central wharf; called Fort street prior to 1708; from the South Meeting-house down to the sea, 1708; way staked out by Selectmen at foot of Milk street to low-water mark, agreeable to ancient order of July 1, 1673, Aug. 6, 1724; from the Old South Church eastward to the late Mr. Hallowell's ship-yard, 1800; to India street, 1804; easterly part of Milk street from Batterymarch street to the water named Commercial street, May 29, 1817; street leading from the main street (Washington street) easterly by the Old South Meeting-house to India street and called Milk and Commercial streets, named Milk street throughout, July 6, 1824; the northerly side of Milk street from Congress street to Bath street, included in Post Office square, 1874. Vol. 31, p. 46. L 375, L 842, L 843, L 853.
- Milk-row road**, Chsn.; voted, inexpedient to alter, April 18, 1814; Selectmen to straighten part leading from the school-house to Cambridge road, May 2, 1825.
- Mill alley**, B., 1733; from Leverett street to the Causeway; shown in 1722; named in 1733; called Mill street in 1788; later included in Causeway street.
- Mill creek**, B.; from the Harbor to the Mill-pond, nearly upon the line of the present Blackstone street.
- Mill-dam**, B. and Rox.; from Charles street to Sewall's point in Brook-line; projected in 1813; Boston and Roxbury Mill Corporation incorporated and authorized to build same in 1814; begun in 1818;

- completed and opened to travel, July 2, 1821, the road over same being called Western avenue; shown from Charles street to Side Mill road on plan dated 1832; land covered by the Mill-dam released by the Boston and Roxbury Mill Corporation to the Commonwealth by indenture of June 9, 1854, "to be forever kept open as a public highway;" parts laid out as Western avenue at different times and later (1865) all included in Beacon street. L 416, L 417.
- Mill-dam road**, Bri.; formerly road from Brookline to Watertown line; named Avenue street, June 15, 1840; named Beacon street, Nov. 10, 1846; North Beacon street, March 5, 1860; name of part of North Beacon street from the former boundary line of towns of Brighton and Brookline to Cambridge street at Union square changed to Brighton avenue, March 1, 1884; sometimes described as Brighton branch of the Mill-dam, Brighton road, and road to the Mill-dam.
- Mill field**, B.; on what is now Copp's Hill.
- Mill lane**, B., 1805; from Middle (now Hanover) street by Mill creek to the mills; also called Mill-pond street, 1807-12; called Pond street in 1812 or 1814; Endicott street, 1836.
- Mill-pond**, B.; extended from near Prince street on the east, and Salem street on the south-east to south-west of Merrimac street, to the present South Margin street.
- Mill street**, B., 1788; from Leverett street by Mr. Pierce's distill-house to the Causeway; called Mill alley, 1733; included in Causeway street, 1807.
- Mill street**, E. B.; from Sumner street to north wharf of National Dock and Warehouse Company.
- *Mill street**, Dor., 1800; from Commercial (now Freeport) street to Adams street; laid out from Tileston's mill to Preston's gate, March 3, 1800; named from Commercial street by Tide mill to Lower road (now Adams street), March 11, 1840. L 1182, L 1292.
- *Mill street**, Chsn.; from Essex street to Rutherford avenue; laid out as a public highway, Dec. 27, 1864.
- Mill-pond street**, B., 1807; from the mills near Middle street across the Mill pond to the mills near Prince street; called Mill lane from 1805; called Pond street, 1812 or 1814; Endicott street, 1836.
- Mill-street court**, Chsn.; from Mill street, south; shown as an unnamed passageway on plan dated 1867.
- Mill-street place**, Dor.; from Mill street, south-easterly, parallel with and near Neponset avenue; same called Holmes place in directories 1880 and 1884; as Holmes place, included in Houghton street, Nov. 27, 1891.
- Miller park**, Dor., 1897; from Dudley street, south-west, between Dennis street and Brook avenue.
- Miller street**, Dor.; from Washington street to Merrill street; laid out as Glenarm street, July 3, 1882. L 1631.
- *Miller street**, Chsn.; from Main street to Rutherford avenue; shown but not named on plan dated 1844; accepted conditionally "as laid out" from Main street to Lawrence street, May 4, 1846; laid out from Main street to Richmond street (now Rutherford avenue), July 13, 1863.
- Miller street**, Chsn.; from Main street to Lawrence street; named, Sept. 2, 1844; named Johnson's avenue, March 9, 1846.
- Miller's lane**, B.; from Water street to Milk street, previous to 1784; called Cooper's alley, 1708; Kilby street, 1769; Adams street, 1788; and Kilby street again, 1825.
- Millers lane**, Dor.; from Washington street near its junction with Dorchester avenue, south-west to Baker street.

- ***Millet street**, Dor.; from Park street to Talbot avenue; laid out, Dec. 14, 1893. L 2571.
- ***Mills street**, Rox.; from Rockland street to Dale street; laid out, March 29, 1879. L 1348.
- ***Millmont street**, Rox., 1868; from Lambert avenue to Highland street; name of Porter street changed to Millmont street, April 21, 1868.
- Milner place**, B., 1844; from Washington street, east, between Bennet street and Harvard street.
- ***Milton avenue**, Dor.; from Lauriat avenue to Fairmount avenue; laid out from Norfolk street to Fuller street, Sept. 6, 1879; extended from Fuller street to Fairmount avenue, July 5, 1881; laid out from Norfolk street to Lauriat avenue, March 17, 1884. L 1378, L 1379, L 1537, L 1759.
- Milton place**, B., 1825; from Federal street, west, to Summer street, near High street.
- Milton road**, Dor., 1847; Blue Hill avenue so called on plan.
- ***Milton street**, B., 1821; from Spring street to Brighton street; opened conditionally, April 25, 1821; confirmed as a public street, Sept. 15, 1834.
- Milton street**, E. B., 1838; from Harmony street to Trumbull street; part for Moore street to Byron street laid out with name of Horace street, July 2, 1891. L 2307.
- ***Milton street**, Dor., 1850; from Adams street to Granite avenue; laid out as a town way, April 2, 1866.
- Minchen's court**, Dor.; from Geneva avenue, south-west, near N. E. R.R.
- ***Minden street**, Rox.; from Bickford street to Day street; laid out from Heath place to Bickford street (including a part of Heath place), Nov. 10, 1879; part of Heath place now from Heath place to Ulmer street named Minden street, March 1, 1882; extended to Walden street, Aug. 19, 1881; from Walden street to Day street, Nov. 9, 1885. L 1117, L 1404, L 1547, L 1895, L 2276.
- ***Mindoro street**, Rox.; from Prentiss street to Station street; shown but not named on plan dated 1856; laid out, Dec. 30, 1869. L 506.
- †**Miner street**, B.; from Beacon street, opposite Arundel street, to Brookline avenue, on both sides of Brookline Branch R.R.; laid out from Beacon street to Brookline Branch R.R., May 15, 1893; laid out from Brookline avenue to Fairhaven street under the name of Fullerton street, Oct. 12, 1896. L 2509, L 2790.
- Minnie court**, So. B.; from I street, east, between East Fourth street and East Fifth street.
- Minot place**, Dor.; from Minot street, south, near Narragansett street.
- ***Minot street**, B., 1825; from Leverett street to Nashua street; called Cart lane, 1733; named Minot street from Leverett street east, 1825; confirmed as a public street, Sept. 15, 1834; to Andover street, 1844; Andover street closed in the same year. Vol. 31, p. 39. L 111.
- †**Minot street**, Dor., 1805; from Neponset avenue crossing Adams street to Carruth street; located from John Minot's barn to the road leading over Neponset bridge (now Neponset avenue), May 13, 1805; from Neponset Village to Lower road (now Adams street) named, March 11, 1840; part from Adams street to Carruth street called New Minot street in Directory, 1884.
- Minot's court**, B.; from Union street, west, towards Hanover street, 1708; called Scott court, 1796, but given as Minot's court in Edes' list, 1800; included in extension of Friend street, 1855.

Minton street, Dor.; from Savin Hill avenue, south-west, near Dorchester avenue.

Minton street, W. Rox.; from Brookside avenue to Stony brook.

***Mishawum street**, Chsn., 1894; Ham's court, laid out from Main street to Rutherford avenue, with the name of Mishawum street, July 26, 1894; formerly called Harris court. L 2607.

Mistick road, Chsn.; from Mistick River on the north, curving slightly south-east, nearly to Monotomy road; surveyed in October, 1732.

***Mitchell street**, So. B., 1885; Dana street (formerly Watti court), laid out from West Ninth street, near Dorchester street, with the name of Mitchell street, Aug. 12, 1885. L 1877.

Model place, B., 1857; from Pleasant street, east, opposite Piedmont street.

Model place, E. B.; from Havre street, south-east, near Porter street; same called Maple place on chart, 1884.

***Monadnock street**, Dor.; from Dudley street to Bird street; laid out, Sept. 12, 1881. L 1552.

***Monks street**, So. B.; from East Seventh street to East Sixth street; laid out, July 31, 1886. L 1926.

***Monmouth square**, E. B.; at junction of Monmouth, Brooks and White streets.

Monmouth street, Rox.; from Audubon road to St. Mary's street; now Medfield street.

***Monmouth street**, E. B., 1834; from Meridian street to White street, near Brooks street; accepted and laid out, July 19, 1852; altered at junction of Monmouth and White streets, Sept. 29, 1856; accepted at junction of Monmouth and White streets, Nov. 1, 1858. L 78.

Monotomy road, Chsn.; committee appointed to ascertain width of, Oct. 5, 1829; surveyed in 1732. See Lib. 33, f. 497, Middlesex South Dist. Reg.

Monroe street, Rox.; from Warren street to Walnut avenue; Munroe street, sometimes so called.

Monroe street, So. B.; named changed to Richards street, April 21, 1868 (Richards street, from Granite street to A street). L 255.

***Monson street**, Dor., 1890; Temple place, leading from Temple street, laid out with the name of Monson street, March 21, 1890. L 2212.

Montague street, Dor., 1893; from Roslin street to Ashmont street; authority to open given by Street Commissioners, July 19, 1893.

***Montana street**, Rox.; from Georgia street to Cheney street; laid out, April 24, 1889. L 2122.

Montclair avenue, W. Rox.; from Centre street, near South street, to Merlin street.

Montebello road, W. Rox., 1895; from Washington street to Walnut avenue; authority to open given by Street Commissioners, Sept. 19, 1895.

***Montello street**, Dor., 1894; Grace avenue laid out from Robinson street to Arcadia street, with name of Montello street, Nov. 16, 1894. L 2671.

Montello street, W. Rox.; from Colberg avenue to beyond Belgrade avenue.

Montgomery park, B.; from Montgomery street, between Montgomery street, Tremont street, Dartmouth street, and West Canton street.

Montgomery place, B., 1825; from Tremont street, east, to Governor's alley (now Province street); laid out from Tremont street to

Chapman place extended, and named Bosworth street, May 14, 1883; remainder of street to Province street not included in order for laying out. L 1703.

Montgomery square, B.; junction of Tremont, Clarendon and Montgomery streets; named in list of 1879, without date. L 206, L 354.

***Montgomery street, B.;** from Tremont street to West Canton street; from Tremont street, opposite Waltham street, to the extension of Dedham (now Dartmouth) street, 1860; called Avenue K on plan of Back Bay lands, 1860; laid out as a public street from Tremont street to Clarendon street, Oct. 16, 1867; laid out from Clarendon street to West Canton street, Nov. 17, 1868. L 206, L 354.

Montgomery street, B., 1833; from School street to Bromfield street; called Governor's alley, 1732; named Montgomery street, 1833; named Province street, 1834.

Montgomery street, W. Rox.; from Spring street, near Baker street, to Linden street.

Montmorenci avenue, Breeds Island; from Orient avenue, north-east, then south-east to Orient avenue again.

Montrose avenue, Rox.; from Warren street, east; included in Montrose street, Nov. 23, 1883. L 1739.

***Montrose street, Rox.;** from Warren street to Moreland street; laid out in part over private way called Montrose avenue, Nov. 23, 1883. L 1739.

***Montview street, W. Rox.,** 1893; Carl street laid out from Corey street to Mt. Vernon street, with name of Montview street, Nov. 17, 1893; part of at one time known as Walnut avenue. L 2548.

***Monument avenue, Chsn.;** from Main street to Monument square; shown as an unnamed street on plan dated 1834; laid out from Warren street to High street, Aug. 23, 1852; named, Oct. 11, 1852; extended and laid out from Warren street to Main street, Nov. 19, 1866; formerly called High street, 1835; Suffolk Deeds Lib. 1399, f. 139; L 1457 f. 39; and Middlesex Deeds Lib. 338, f. 173.

Monument court, So. B.; from H street, between East Sixth street and East Seventh street.

***Monument court, Chsn.;** from Winthrop street, south-west, opposite Wallace court; laid out and accepted, Sept. 30, 1867.

Monument lane, Chsn.; from Bunker Hill street, south-west, between Concord street and Monument street to Concord avenue, 1885.

Monument lane, Chsn.; from Monument street to Lexington street, now a part of Concord avenue.

Monument place, Chsn.; from Monument street, east, near Bunker Hill street; also called Riordan place.

Monument square, W. Rox.; junction of Centre and South streets, at Jamaica Plain.

***Monument square, Chsn.,** 1860; around Bunker Hill Monument grounds; shown but not named on plan dated 1839; streets around Monument square accepted, Dec. 11, 1843; names of Lexington street, from Wallace court to Tremont street, Tremont street to Concord street, Concord street to High street, High street to Monument court, changed to Monument square, Feb. 2, 1860.

Monument street, W. Rox.; from Centre street, north-westerly, then north-easterly to Eliot street; laid out as Holbrook street, May 21, 1877. L 1238.

***Monument street, Chsn.;** from Monument square to Medford street; laid out from Monument square to Bunker Hill street, Dec. 21, 1844; same accepted, Dec. 23, 1844; extended to Medford street, Nov. 10, 1868. L 1899.

Moon court, B., 1796; in Moon street.

- *Moon street, B., 1708;** from North square to Fleet street; from the North Meeting-house, north, by the east side of Clarke (now North) square, to Sun-court street, 1708; to Fleet street, including part of Sun-court street, 1784; from the east side of North square to Fleet street, 1800. L 411.
- Moon-street court, B., 1833;** from Moon street, south-easterly; included in extension of Lewis street, from North street to Moon street, March 25, 1893.
- Moorcock's buildings, B., 1708;** in Corn court.
- Moore place, B., 1840;** from Church street, east, next south of Madison place; named Church place, 1844.
- †Moore street, E. B., 1838;** from Pope street to Cowper street, with proposed extension to proposed extension of Coleridge street; accepted from Pope street to Saratoga street, Dec. 10, 1861; extended from Saratoga street to Cowper street, July 25, 1881. L 1543.
- Moore street, Bri.;** from Washington street to Newton line; shown on plan of Brighton dated 1873; in 1875, by a change in boundary line, brought within the limits of Newton.
- Mora street, Dor., 1894;** from Washington street to Milton avenue; authority to open given by Street Commissioners, June 22, 1894.
- Moreland place, W. Rox.;** from Pond street, northerly, to ice-house, Jamaica pond; included in Jamaica park.
- †Moreland street, Rox. and Dor., 1854;** from Warren street to and across Blue Hill avenue and Dennis street; part from Cleveland street across end of Fairland street, shown and so named on plan dated 1854; part from Grove Hall (now Blue Hill) avenue, north-west, shown as part of Perrin street on plan dated 1856; laid out as a new street from Grove Hall avenue to Warren street, in part over Warren place, December, 1860; laid out from Blue Hill avenue to Dennis street, Aug. 28, 1891. L 2330.
- Moreland street, W. Rox.;** from Spring street to Belle avenue.
- Moreland terrace, Rox.;** from Blue Hill avenue, south-east, included in the extension of Moreland street to Dennis street, Aug. 28, 1891.
- Morey's corner, B., 1708;** corner of Summer street and Cow lane (now High street) then so called.
- Morgan street, B., 1865;** from Columbus avenue, north-westerly, to Stanhope street.
- *Morley street, Rox.;** from Highland street; Walden park laid out from Highland avenue (now Highland street), with name of Morley street, Sept. 23, 1887. L 2027.
- Morlock place, Rox.;** from Longwood avenue, southerly, near Phillips street.
- Morni court, So. B., 1849;** from West Ninth street, near Dorchester street, south-westerly, to O. C. (now N. Y., N. H. & H.) R.R.; laid out as Gustin street, Oct. 13, 1891.
- Morrill street, Dor., 1892;** from Pleasant street to Bakersfield (formerly F) street; also called B street; authority to open given by Street Commissioners, May 4, 1892.
- Morrill's or Morrell's corner, B., 1708;** corner of Middle (now Hanover) street and Prince street, then so called.
- *Morris street, E. B.;** from Marion street to Putnam street; laid out from Marion street to Putnam street, between Chelsea street and Paris street, July 10, 1883. L 1717.
- *Morrison street, W. Rox., 1881;** from Gardner street, south-westerly, towards Charles river; private way called Grove street laid out as Morrison street, Nov. 11, 1881. L 1567.

- Morse street**, Dor.; from Washington street to Bowdoin avenue; authority to open given by Street Commissioners, Dec. 7, 1891; laid out June 2, 1896. L 2772.
- Morton court**, B., 1842; from the foot of Morton place; from Arch street to Hawley street, 1879; included in Hawley place.
- Morton place**, B., 1824; from Milk street, south, 1824; included in extension of Arch street, April 18, 1873. L 841.
- Morton place**, Rox.; from Tremont street, south, between Parker street and Terrace street.
- *Morton street**, B., 1838; from Salem street to Endicott street; called Ritchie street, 1840-1844; since again called Morton street; accepted conditionally, Nov. 18, 1844; accepted finally, Oct. 25, 1847.
- *Morton street**, W. Rox. and Dor.; from South street to River street; from Forest Hills street to South street previous to 1832; laid out, conditionally from Forest Hills avenue to Canterbury street, Oct. 7, 1850; street connecting Scarboro' street with Canterbury street, called Morton street, June 14, 1851; laid out by abutters over the "great fresh meadow" from Back (now Harvard) street, nearly to Canterbury street in 1853; street formerly known as Forest Hills street and Scarboro' street, called Morton street, Dec. 5, 1859; names of Madison street and Forest Hills avenue, from Back street to River street, changed to Morton street, March 1, 1888. L 823, L 1667, L 2074, L 2075.
- Morton street**, Chsn.; south-east end laid out 50 feet wide from Salem turnpike (now Chelsea street) to Bunker Hill street, Dec. 15, 1834; this part of Morton street, named Bunker Hill street, being a continuation of same, to avoid confusion, there being in that vicinity a street named Moulton street, Dec. 15, 1834.
- Morton street**, Chsn.; Moulton street, from Bunker Hill street to Vine street, sometimes so called, and so shown on plan dated 1828.
- Moseley avenue**, Dor.; from Crescent avenue to Mt. Vernon street; shown as an unnamed street on plan dated 1860; north-easterly end included in Dorchesterway.
- Moss place**, B., 1868; from Cambridge street, northerly, opposite Bowdoin street.
- †Moss Hill road**, W. Rox.; from junction of Pond and May streets, south, west, and north, to Pond street again, at latter's junction with Woodland road; authority to open part from junction Pond and May streets to easterly end of Woodland road given by Street Commissioners, June 20, 1892; same part laid out as a public street, Oct. 12, 1894. L 2636.
- *Motte street**, B., 1874; from Washington street, opposite Castle street, to Harrison avenue; from Orange (now Washington) street, east, to the water; called East Castle street, 1732; to Front street (now Harrison avenue), 1805; name changed to Motte street, June 23, 1874; became public by use. L 434.
- Moulton court**, Chsn.; from Moulton street, near Bainbridge street, westerly, then northerly and southerly, parallel with Moulton street.
- *Moulton street**, Chsn.; from Bunker Hill street to Mystic river; accepted and named from the river to head of Ropewalk, June 9, 1826; this street has been called by three different names, and estates purporting to bound on the same have been conveyed as bounding on Brooks, Morton, and Moulton streets, that section of the town formerly called Moulton's point being owned by a person of that name; part from Bunker Hill street to Vine street shown as Morton street on plan dated 1828; part shown on Moulton point as Brooks street on plan dated 1846; from Bainbridge street, north-easterly, being formerly Brooks street, by plan dated 1868; laid out and altered, Jan. 2, 1849. L 1986, L 2591, L 2738.

- Moultrie avenue**, Dor.; from Seaborn street to Church place; authority to open, with name of Moultrie street, given by Street Commissioners, Dec. 1, 1891.
- Moultrie street**, Dor.; north of and parallel with Centre street, near Washington street, crossing Seaborn street east and west; authority to open given by Street Commissioners, Dec. 1, 1891.
- Mountain avenue**, Dor.; from Ballou avenue to Lauriat avenue.
- Mountain street**, W. Rox., 1849; from Dedham turnpike (now Washington street) to Walk Hill street; see Charles Whitney's map of Roxbury, 1843-49; probably part from Walk Hill street changed to Walk Hill avenue and later to Wachusett street; the part from Washington street probably now called Weld Hill street.
- ***Mountfort street**, Rox.; from Beacon street to Brookline line; laid out from Beacon street to Ivy street, March 11, 1891; from Ivy street to Audubon road, June 12, 1894. L 2282, L 2604.
- Mountfort's corner**, B., 1708; corner of Dock square and Pierce's alley (now Change avenue) then so called.
- Mountfort's corner**, B., 1732; corner of Fish (now North) street and Moon street then so called.
- Mountjoy's corner**, B., 1708; corner of Fish (now North) street and Ann street (now part of same street) then so called.
- Mt. Bowdoin avenue**, Dor.; from Bowdoin street to Columbia street (Directory, 1880); now called Bowdoin avenue.
- Mt. Bowdoin green**, Dor.; on Bowdoin avenue. L 1781.
- Mt. Bowdoin terrace**, Dor.; from Eldon street, easterly, near Rosseter street.
- ***Mt. Everett street**, Dor.; from Hamilton avenue (now Barrington street) to Quincy street; laid out, Dec. 8, 1876. L 1200.
- Mt. Hope avenue**, Dor.; from Blue Hill avenue, north-west, near Matapan station, N. E. R.R.; called Almont street in 1896.
- Mt. Hope avenue**, W. Rox.; from Hyde Park avenue to Canterbury street; Mt. Hope street often so called.
- Mt. Hope street**, Dor.; from Blue Hill avenue to Hyde Park line; name of Back street changed to Mt. Hope street, Sept. 18, 1861; afterwards Back street again.
- ***Mt. Hope street**, W. Rox.; from Hyde Park avenue to Mt. Hope cemetery; old way, part of which was called Bradstreet avenue and part Mt. Hope avenue or street, laid out as Mt. Hope street, June 13, 1871; extended from Canterbury street, through Weber street to Mt. Hope cemetery, July 22, 1892. L 1892, L 2417.
- Mt. Ida street**, Dor.; from Bowdoin street, near Adams street; not on chart, 1884; on chart, 1874, "Mt. Ida" given on land of Nahum Capen, but no street; same on chart, 1894, but street given in directory of that year.
- ***Mt. Pleasant avenue**, Rox.; from Dudley street (part formerly Eustis street), opposite Dearborn street, south-westerly, then south-easterly, then north-easterly, to Dudley street, opposite Magazine street; called Elm avenue on plan dated 1833, but generally Elm street; name of Elm street changed to Mt. Pleasant avenue, April 21, 1868.
- Mt. Pleasant place**, Rox.; from Dudley street, south-west, near Adams street.
- Mt. Prospect street**, Rox.; from Norfolk and Bristol turnpike (now Washington street), south-east; shown on plan of laying out of said turnpike dated 1857, Vol. 3, No. 279, Norfolk County Commissioners.
- Mt. Seaver avenue**, Rox.; from Elm Hill avenue to Blue Hill avenue; from Elm Hill avenue to Montana street, laid out as Cheney street,

June 26, 1882; remainder to Blue Hill avenue laid out as Cheney street, April 11, 1883. L 1617, L 1697.

Mt. Vernon, B., 1796; north of Beacon street and west of Belknap (now Joy) street; the buildings on the north side of Olive (now Mt. Vernon) street, 1805-1817.

Mt. Vernon avenue, B., 1846; from Mt. Vernon street to Pinckney street; called Pinckney lane, 1835; named Mt. Vernon avenue, 1846.

Mt. Vernon avenue, Rox.; from end of Roxbury place south; being continued to Warren place by an irregular 20-foot passageway; later made a part of Kearsarge avenue.

***Mt. Vernon avenue, Chsn.**; from Mt. Vernon street to Chestnut street.

Mt. Vernon avenue, Bri.; from Mt. Vernon street, south, then east to Rockland st.

***Mt. Vernon place, B.**; from Joy street to Hancock avenue; called Hancock place, 1823; named Mt. Vernon place, Jan. 28, 1828.

***Mt. Vernon place, Rox.**; from Warren place (now Winthrop street), north, then north-west, then north again to Warren street; accepted and named Mt. Warren place, Oct. 30, 1865; name of Mt. Warren place changed to Kearsarge avenue, April 21, 1868.

Mt. Vernon place, Chsn.; from Chelsea street, south, near the Navy Yard.

***Mt. Vernon street, B.**, 1832; from Beacon street, north, then west to Charles river; from Beacon street to the head of former Temple street called Centry or Sentry street, 1708-95; from the present Hancock street to the present Joy street called George street, 1732-1800; from Beacon street to Joy street called Sumner street, 1795-1833; from Joy street to Charles street, called Olive street, 1796-1825; from Charles street to Temple street called Sumner street, July 6, 1824; Sumner street from Beacon street to Charles street named Mt. Vernon street, Aug. 27, 1832; confirmed as a public street, Sept. 15, 1834; extended west, across Charles street to River street, 1856; portion west of Charles street accepted, Aug. 19, 1856; extended from River street to Harbor Commissioners' line, April 6, 1866. L 297, L 1505, L 2105.

†Mt. Vernon street, Dor., 1860; from Boston street to Pumping Station, near Dorchester bay; laid out from Boston street to Dorchester avenue, Nov. 27, 1875; laid out from Dorchester avenue to O. C. (now N. Y., N. H. & H.) R.R., July 13, 1878. L 1096, L 1312.

***Mt. Vernon street, W. Rox.**, 1849; from Centre street to Baker street; accepted, Sept. 27, 1871; extended from La Grange street to Baker street, Sept. 8, 1873.

Mt. Vernon street, W. Rox.; from Ashland street, opposite Albion street, to Roslin avenue; part from Poplar street to Roslin avenue shown as unnamed street on several plans, the earliest being dated 1852; same given as part of Sycamore street, 1884.

***Mt. Vernon street, Chsn.**; from Adams street, about northerly, nearly to Tremont street; see plan dated 1846; laid out and accepted, Jan. 2, 1849.

***Mt. Vernon street, Bri.**; from Rockland street to Foster street; part of laid out in continuation of Mt. Vernon street to road leading from Rockland street to Academy Hill, March 29, 1851; same accepted, Sept. 5, 1853; street named, Sept. 5, 1853; laid out, Dec. 16, 1873; extension to Foster street laid out, April 22, 1891. L 2286.

Mt. Walley avenue, W. Rox.; from Pond street to Brookline line.

Mt. Warren avenue, Rox.; from Warren street; formerly called Mt. Warren place; called Mt. Warren avenue, Oct. 30, 1865; extended to Moreland street and called Copeland street, June 15, 1869.

- Mt. Warren place**, Rox.; from Walnut avenue, northerly, near Warren street; same called Mt. Warren street in directories.
- Mt. Warren place**, Rox.; from Warren street called Mt. Warren avenue, Oct. 30, 1865; extended to Moreland street and called Copeland street, June 15, 1869.
- *Mt. Warren place**, Rox.; from Warren place (now Winthrop street), north, then north-west, then north again to Warren street; Mt. Vernon place accepted and named Mt. Warren place, Oct. 30, 1865; name of Mt. Warren place changed to Kearsarge avenue, April 21, 1868.
- Mt. Warren street**, Rox.; from Walnut avenue, northerly, near Warren street; same as Mt. Warren place.
- *Mt. Washington avenue**, B. and So. B.; from Federal street across Fort Point Channel to Granite street; accepted, conditionally, from Sea (now Federal) street across Fort Point Channel to Boston wharf, March 26, 1855; laid out from south-east side of Granite street to harbor line on east side Fort Point Channel, Nov. 17, 1868. L 537.
- *Mt. Washington bridge**, B.; across Fort Point Channel; accepted, conditionally, with Mt. Washington avenue, March 26, 1855.
- Mt. Washington place**, So. B.; from East Eighth street, southerly, near G street.
- Moylen street**, Rox.; from Elm Hill avenue to Landseer avenue, parallel with and 210 feet north-east from Crawford street; shown on plan dated June 1, 1881; abandoned.
- Mozart avenue**, W. Rox., 1873; from Walter street, north-west, to Selwyn street; called Mozart street on city plan, 1891.
- *Mozart street**, Rox., 1887; from Centre street to Lamartine street; laid out from Centre street, including Houghton place, to Chestnut avenue, May 19, 1887; from Chestnut avenue to Lamartine street, including Raymond street, Aug. 31, 1888. L 1988, L 2089.
- Mulberry place**, B., 1834; from Portland street, north-east, near Sudbury street.
- Mulberry place**, Rox., 1861; from Dudley street (part formerly Eustis street), south-west near Vine street.
- Mulgrave street**, Rox.; from Elm Hill avenue to Landseer avenue; shown on plan dated June 1, 1881; abandoned.
- Mullaney street**, Dor.; from Clarkson street to Barry street; now called Barry street.
- Mulvey avenue**, Rox.; from Heath street, south, near Bickford street.
- Munroe place**, B., 1857; in rear of 38 Tyler street, near Kneeland street; called Blanche court, 1844; named Munroe place, 1857.
- Munroe place**, Rox.; from Vernon street, south-west, between Washington street and Shawmut avenue.
- *Munroe street**, Rox., 1852; from Warren street to Walnut avenue, opposite Elmore street; Munroe farm laid out into lots, and streets laid out in 1852; written also Monroe. L 799, L 800, L 801, L 2274, L 2501.
- Munroe terrace**, Dor.; from Neponset avenue to Train street.
- Munson street**, Rox.; from Beacon street to Brookline Branch railroad.
- Murdock place**, Bri.; from Murdock street.
- *Murdock street**, Bri.; from Cambridge street to North Beacon street; shown on plan dated 1868, from Cambridge street to Sparhawk street, but not named; laid out from Cambridge street to North Beacon street, Nov. 3, 1888. L 2100, L 2101.
- Murphy court**, B., 1834; from North street to Commercial street, near their junction.

- Murray avenue**, Rox.; from Blue Hill avenue, opposite Dennis street, west; named, Oct. 1, 1878.
- Murray court**, E. B.; from Orleans street, between Webster street and Sumner street, south-easterly; spoken of as a private way in 1864.
- Murray place**, B., 1830; from Prince street, north-easterly, near Salem street; discontinued now in school-yard.
- Music-hall place**, B., 1874; from Winter street, north-east; called Central place, 1842; name changed to Music-hall place, Feb. 25, 1874.
- Muzzy street**, Dor., 1895; from Adams street at its junction with Centre street to King street.
- The Mylne street**, B.; an early name for Summer street previous to 1708.
- Myrtle court**, B., 1822; from West Centre (now Anderson) street, opposite the west end of Myrtle street; extended to Grove place and named Myrtle street, Sept. 15, 1851; accepted, laid out and named Myrtle street, Oct. 13, 1851. Vol. 31, p. 15.
- Myrtle place**, Rox.; from Glenwood street, west.
- Myrtle place**, Dor.; from Magnolia street, north-westerly.
- Myrtle place**, W. Rox.; from Stony Brook avenue (now Florence street), south-easterly; see Charles Whitney's map of Roxbury, 1843-49; no street now given.
- *Myrtle street**, B., 1806; from Hancock street, west, then north, to Revere street; called Warren street (from Hancock street, southerly by Mr. Austin's ropewalk, and by the powder-house down to Cambridge bay), 1788; May street, leading to the powder-house, 1795; Myrtle street, from Hancock street to Butolph (now Irving) street, 1806; from Hancock street to West Centre (now Anderson) street, 1814; on Hale's plan, 1814, the westerly end of the present Myrtle street, was called Hill street; from Hancock street to Charles street 1817; confirmed as a public street, Sept. 15, 1834; extended through Myrtle court to Zone street, at Grove street and place, Sept. 15, 1851; Myrtle court accepted, laid out and called Myrtle street, Oct. 13, 1851; Zone street (from Grove street to rear of West Cedar street) named Myrtle street, Oct. 20, 1851; new street laid out from May (now Revere) street to Myrtle street, Dec. 19, 1853, and named Myrtle street, Dec. 29, 1853. Vol. 31, pp. 15, 99. L 1859.
- Myrtle street**, Rox.; from Warren street to Cliff street; name changed to Glenwood street, April 21, 1868 (formerly Adams street).
- Myrtle street**, Dor., 1840; from Five Corners (now Town Meeting square) to Pleasant street; street from Five Corners by Mr. Cassel's and Mr. Kettle's, named Myrtle street, March 11, 1840; name changed to Cottage street, March 1, 1847.
- *Myrtle street**, Dor.; from Dudley street to Lawrence avenue; shown as Harris street on plan dated 1846; and on plans dated 1846, 1847, 1859, and 1860, as "Myrtle street, formerly Harrison street;" Harrison street, on plan dated 1847; Myrtle street, formerly Harrison street, on plan dated 1869; from Dudley street to Quincy street, located and accepted, March 2, 1853; laid out from Quincy street to Lawrence avenue, Sept. 16, 1876; name changed to Magnolia street, March 1, 1882. L 1168.
- *Myrtle street**, W. Rox.; from Centre street (part formerly Austin street) opposite Green street, to Pond street; laid out, Sept. 2, 1876. L 1166.
- *Mystic avenue**, Chsn.; from Main street to Somerville line; name of Medford turnpike changed to Mystic avenue, April 12, 1869.
- Mystic place**, Chsn.; from Cook street, north-west, near Hill street.
- Mystic place**, Chsn.; from Walnut street, north-west, near Medford street.

Mystic road, Chsn.; see Mistick road.

***Mystic street, B.,** 1845; from Malden street to East Brookline street; called Berlin street (from East Canton street to Hamburg street), 1843; Mystic street, from East Dedham street to Brookline street, 1845; from Malden street to Brookline street, 1846; passageway between Washington street and Harrison avenue laid out by City prior to 1834, and named Mystic street in 1850; accepted, July 23, 1862.

***Mystic street, Chsn.;** from Bunker Hill street to Medford street; not named on plan dated 1848.

***N street, So. B.;** from East Second street to Strandway, formerly to Old Harbor south of East Ninth street, with proposed extension northerly to East First street; laid out and named "from salt water on the south to the Harbor of Boston on the north," Feb. 27, 1805; laid out from low-water mark north of East First street to harbor line in Dorchester bay, Nov. 17, 1868; House of Correction covers land north of East First street to water. L 7.

Nanney's buildings, B., 1708; in Elbow alley.

Nantasket avenue, Bri.; from Union street, near Madison avenue, north-east.

Napier place, B.; from Barton street, east; called Second-street court or place, 1835; Napier-street place 1855; Napier place, 1868; called Barton-street place on atlas, and Napier place in directories; greater part included in the extension of Chambers street, June 7, 1893. L 2765.

***Napier street, B.,** 1855; from Leverett street to Copper (now Brighton) street; name of Second street changed to Napier street, April 25, 1855; from Leverett street through Short Second street (from Second street to Brighton street), to Brighton street, 1855; extended to Milton street, Oct. 5, 1863; name changed to Barton street, April 21, 1868. L 268.

Napier-street place, B., 1855; from Napier street, east; called Second-street court or place 1835; Napier street place, 1855; Napier place, 1868; called Barton-street place on atlas, and Napier place in directories; greater part included in the extension of Chambers street, June 7, 1893. L 2765.

Naples road, Bri.; from Commonwealth avenue near Malvern street south-west to Brookline line.

***Narragansett street, Dor.;** from Chickatawbut street to Minot street, located, May 2, 1853.

Naseby street, Rox.; from Crawford street to Hutchings street; laid out with name of Harold street from Crawford street to Homestead street, March 10, 1886; Harold street extended to Hutchings street, April 20, 1888. L 1901.

Nash court, So. B.; from West First street to Dove street, near Dorchester street.

Nash row, Chsn.; from 184 Main street, between Chapman street and Austin street.

Nashua court, B., 1844; from Nashua street, north, near Minot street; closed in 1871.

Nashua place, B., 1844; from Nashua street, north, near Causeway street; closed in 1871.

***Nashua street, B.,** 1837; from Causeway street, north-westerly, to Minot street; accepted, May 12, 1851. Vol. 31, p. 39.

Nason place, Rox.; from 33 Conant street, northerly, between Phillips street and Parker street.

- Nason place**, Chsn.; from 7 Everett street, south-east, near Bunker Hill street.
- Nason's court**, B., 1833; from Pleasant street, west, at or near Hamlen place or Berlin (now Tennyson) street.
- Nassau court**, B., 1825; from Tremont street, west, nearly opposite Hollis street, 1825; named Seaver place, 1844.
- Nassau place**, B., 1859; from Nassau street, near Harrison avenue, northerly, to Corey avenue.
- *Nassau street**, B.; from Harrison avenue to Ash street; shown by plan as early as 1816, but not named; on Hale's plan, 1820; called Ash street; accepted, conditionally, May 1, 1843; laid out March 1, 1875. L 1025.
- Nassau street**, B.; Clough street (from Orange [now Washington] street to Dr. Byle's house), and Holyoke street (from Dr. Byle's house to Frog lane, now Boylston street) called Nassau street, 1788; same called Common street, 1824; part from Orange street to Dr. Byle's house now called Common street, and part from Dr. Byle's house to Frog lane called Tremont street.
- Nathan street**, W. Rox., 1896; from Patten street to Eldridge road; authority to open given by Street Commissioners, Aug. 5, 1896.
- *National street**, So. B.; from East Fourth street to Thomas park; laid out, Nov. 17, 1868. L 445.
- Navy street**, Chsn.; from Pear Tree street, south-east; these streets do not now exist, but are shown on plan near the present location of Bunker Hill street and Ferrin street.
- Nawn court**, Rox.; from King street, near Elmwood street, north-easterly.
- Nawn place**, Rox.; from Harrison avenue, north, near Nawn street.
- Nawn street**, Rox.; from Washington street to Harrison avenue, near Webber street.
- Nazing street**, Rox., 1896; from Blue Hill avenue to Maple street, between Wayne street and Seaver street; authority to open given by Street Commissioners, Feb. 24, 1896; formerly called Gallatin street.
- Neal } court**, Chsn.; from Short street, south-easterly.
Neal's }
- Nebraska street**, W. Rox.; from Green street to Boylston street; on plan dated 1852, shown as Chestnut street and by that name accepted by Town, July 25, 1868; later a part of Chestnut avenue.
- Neck alley**, B.; mentioned in deeds, Sept. 6, 1755; no description or record.
- *Nelson street**, Dor.; from Norfolk street to Selden street; laid out, June 18, 1885. L 1863.
- Nelson street**, W. Rox.; from Boylston street to Spring Park avenue.
- *Neponset avenue**, Dor.; from Adams street to Neponset river; called Quincy turnpike on plan dated 1844, and Neponset turnpike on plan dated 1856; laid out as a public highway or control assumed by County, December, 1858. L 1063, L 1182, L 1785, L 1834.
- *Neponset avenue**, W. Rox.; from Hyde Park avenue to Canterbury street; laid out by Selectmen, Sept. 27, 1871.
- Neponset court**, W. Rox.; from Neponset avenue, near Jewett street.
- Neponset street**, Dor.; from Freeport street to South street (Commercial Point); shown on plan dated 1810, from South street, north-west, crossing Plymouth, Washington, Union, Commercial, Barque, Warwick, and Mill streets; same in 1835 and 1848.
- *Neponset street**, Dor.; from River street to Sanford street; accepted March 3, 1845; shown on plan of new road from Lower Mills to

- Jamaica Plain in 1852; later made part of Forest Hill avenue, and latter name changed to Morton street, March 1, 1888.
- Neponset turnpike**, Dor.; Neponset avenue so called on plan dated 1856.
- Neptune avenue**, } E. B.; from Bennington street to Wood Island park;
Neptune street, } now included in the Parkway.
- Neva street**, Dor.; from Preston street, opposite Capen street, to Tenean creek.
- New lane**, Rox.; part of Warren street, from Washington street to Dudley street, so called when laid out.
- New road**, W. Rox.; part of Centre street, from South street to Walter street, so called on plan in 1815; also part from Green street to Dedham turnpike, on plan in 1854.
- *New street**, E. B.; from Sumner street to Maverick street; accepted, Nov. 22, 1852.
- New street**, Rox. and W. Rox.; several streets so called on plans when first laid out.
- New street**, Dor.; from Adams street to Commercial (now Freeport) street; Leeds street so called on plans dated 1861, 1864, and 1866.
- New street**, W. Rox.; part of Boylston avenue so called on plans dated 1858 and 1868.
- New street**, Chsn.; a street parallel with School-House court, leading from Charles street; so called on plan dated 1850.
- *Newark street**, Rox., 1892; from Cedar street, south; Eaton court laid out with name of Newark street, July 22, 1892. L 2416.
- *New Atherton street**, Rox.; from Amory street to Copley street; laid out, Aug. 27, 1886; name changed to Atherton street, March 1, 1889. L 1942.
- New Way**, Bri.; laid out from junction of Howard place and Union street to junction of Beacon street and Rockland street (now Chestnut Hill avenue), July 8, 1872 (no street shown on chart or map from junction Howard place and Union street to either Beacon street or Rockland street).
- New Atlantic street**, So. B.; from 374 East Eighth street; that part of Atlantic street south of Thomas park sometimes so called.
- Newbern avenue**, W. Rox.; from Roanoke avenue, southerly; now part of Newbern street.
- Newbern court**, Rox.; from 156 Sterling street, westerly.
- Newbern**, } place, B., 1834; from Carver street, between Eliot street
Newbern, } and Pleasant street, westerly, and then northerly and south-
 erly.
- *Newbern street**, Rox., 1868; from Sterling street to Weston street; formerly from Tremont street, south-east, then south-west, to Weston street; accepted, conditionally, as Oxford street, March 11, 1844; named Newbern street, April 21, 1868; part near Tremont street named Sterling street, March 1, 1884. L 926.
- *Newbern street**, W. Rox.; from Carolina avenue to Elm street; shown but not named on plan dated 1850; named on plan dated 1867; laid out, Nov. 22, 1875. L 1095.
- Newbern street**, W. Rox.; from junction Canterbury street and Huntington avenue to Hyde Park line; from Canterbury street to Largo street on plan dated 1848; same given Newbern avenue 1884 and then Newbern street.
- Newburg street**, W. Rox., 1891; from Beech street to Brandon street; authority to open given by Street Commissioners, Dec. 1, 1891.

Newbury place, B., 1805; from Newbury (now Washington) street, east, next north of Essex street; built over by the Globe Theatre in 1866.

***Newbury street, B.**; from Arlington street to Charlesgate-east, and from Charlesgate-west to Brookline avenue; from Arlington street, west, on Back Bay land, 1860; deed of Newbury street, between Arlington and Clarendon streets, tendered by Public Lands Commissioners, Nov. 10, 1865; same accepted and laid out, May 6, 1867; same laid out, Dec. 9, 1869; laid out from Clarendon street to Dartmouth street, May 31, 1871; laid out from Dartmouth street to Exeter street, Dec. 6, 1875; laid out from Exeter street to Hereford street, Dec. 27, 1878; laid out from Hereford street to West Chester park (now Massachusetts avenue), May 5, 1880; laid out from West Chester park to Ipswich street, now Charlesgate-east, Aug. 31, 1883; West Newbury street, from Charlesgate-west to Brookline avenue, laid out with name of Newbury street and construction ordered, March 30, 1894. L 374, L 862, L 1110, L 1341, L 1342, L 1343, L 1437, L 1728, L 2585.

Newbury street, B., 1708; from Eliot's corner, Essex street, to Okes' corner, Summer street; made part of Washington street, July 6, 1824.

Newbury street, W. Rox.; from Canterbury street, near Ashland street, to Hyde Park line; Newbern street or avenue, so called.

Newcomb place, B.; from Eliot street, near Warrenton street, southerly.

***Newcomb street, B.**; from Washington street to Harrison avenue; from Washington street, east, named Prescott place, May 14, 1849; from Washington street to Reed street named Newcomb street, April 1, 1874; laid out and extended to Harrison avenue, Sept. 8, 1874. L 961, L 962, L 1078.

New Cornhill, B., 1828; from Court street to Washington street; called Market street, 1817; name changed to New Cornhill, 1828; commonly called Cornhill.

New County road, Dor.; part of River street so called on plan of new location dated 1865.

New County road, W. Rox.; Ashland street so called on plan dated 1862.

New Court, B., 1845; from Shawmut avenue, east, near Groton street; name changed to Briggs place, 1849.

New England avenue, Dor.; from Talbot avenue to Southern avenue at its junction with Bernard street.

Newell street, Dor.; (proposed) from Dorchester avenue to Boston street; laid out as Howell street, Dec. 28, 1892.

Newfield street, W. Rox., 1894; from Weld street to Lasell street; authority to open given by Street Commissioners, April 20, 1894.

New Fore street, Chsn.; laid out, 40 feet wide, 1780; now Water street.

New Gravelly Point road, Rox.; from Huntington avenue, southerly, to Rogers avenue.

***Newhall avenue,** } Dor.; from Adams street to Neponset avenue;
Newhall street, } shown but not named on plans dated 1851 and 1859.

Newhall place, Dor.; from Newhall avenue near Newhall street, north-west.

***Newhall street, Dor.**; from Pierce avenue to Ashmont street; laid out, March 1, 1869. L 711, L 2786.

***New Heath street, Rox.**; from Heath street at junction Parker street and Heath street to Centre street; report of Committee on Streets recommending laying out passed, June 27, 1859; laid out from near

junction Parker street across B. & P. (now N. Y., N. H. & H.) R.R. at grade to Centre street, Oct. 31, 1859; construction ordered, Nov. 14, 1859. L 534.

Newland place, B., 1860; from Newland street; cannot be identified.

***Newland street, B.**, 1838; from Upton street to West Springfield street, between Shawmut avenue and Tremont street; laid out from West Dedham street to West Canton street, Sept. 14, 1869; laid out from West Canton street to West Brookline street, Nov. 9, 1870; laid out from West Concord street to Worcester street, June 30, 1873; laid out from West Dedham street to Upton street, Oct. 27, 1876; laid out from West Newton street to Rutland street, Aug. 25, 1879. L 477, L 542, L 581, L 605, L 871, L 1186, L 1373.

Newman block, B.; from Pleasant street, west, next north of Piedmont street; called Newman place, 1849.

Newman court, So. B.; from Champney street, south-westerly.

Newman place, B.; from Pleasant street, west, next north of Piedmont street, 1849; at some time previous to 1879 called Newman block.

Newman place, Rox.; from Dudley street, south-westerly, near and south of Vine street.

***Newman street, So. B.**; from Dorchester street to Lowland (now Mercer) street; laid out, Nov. 17, 1868. L 238, L 424.

New Minot street, Dor.; from Adams street to Carruth street; that part of Minot street sometimes so called.

New North alley, B.; from Middle (now Hanover) street, 1781.

***Newport street, Dor.**; from Harbor View street to Crescent avenue; laid out, Dec. 4, 1893. L 2554.

New Prince street, B.; previously to 1788, from Leverett street, east; called Tucker street, 1803; Leverett place, 1812; Lyman place, 1834; Lyman street 1856; part of Lyman street, near Green street, included in Staniford street, May 11, 1886.

***New Seaver street, Dor. and Rox.**; from Columbia street, opposite Seaver street, to Erie avenue (now Erie street); laid out, July 30, 1878; named Seaver street, March 1, 1889. L 1313.

Newton court, B., 1848; from Tyler street, westerly, near and south of Oak street.

Newton place, B., 1825; from Beach street, south, to Plymouth place. Newton place and Plymouth place laid out as Knapp street, from Beach street to Harrison avenue, May 14, 1879. L 1351.

Newton road, Bri.; Washington street, formerly so called.

***Newton street, B.**, 1826; from Albany street to Columbus avenue; laid out on the Neck, July 24, 1826; named from Tremont street to Front street (now Harrison avenue); Sept. 15, 1834; to Albany street, 1834; accepted, Dec. 7, 1857; accepted, Oct. 30, 1860; portion west of Tremont street having been extended to line of Boston Water Power Company accepted, Aug. 13, 1861; accepted to a point 337 feet west of Tremont street, June 13, 1865; named East Newton street from Washington street to Albany, and West Newton street from Washington street, to Columbus avenue, April 21, 1868. L 198, L 354.

†Newton street, Bri.; from Brooks street, westerly, then south-westerly crossing end of Bigelow street; see plan dated 1871; laid out, Dec. 18, 1873; accepted conditionally, Dec. 30, 1873; laid out from Brooks street to a point about 200 feet east of Bigelow street, Nov. 10, 1876. L 1189.

New Walnut place, B.; from Reed street to Walnut place.

Nichols court, } Rox.; from Phillips street across the end of Smith-Nicholson court, } street court; called Nichols court in 1884; called Nicholson court on plans dated 1858, 1870, 1873, and 1888.

Nickerson street, Rox.; from Heath street, south-westerly, to Jamaica-way, near Craft street.

Nightingale street, Dor.; from Talbot avenue to Bernard street.

Nikisch avenue, W. Rox.; from Beech street to Parkway.

***Ninth street**, So. B., 1805; now East and West Ninth streets; laid out parallel with Broadway and named, Feb. 27, 1805; laid out from H street to low-water mark, Nov. 17, 1868; name of Sullivan street from D street to Old Harbor street, changed to Ninth street, Nov. 17, 1868; called East and West Ninth streets, Feb. 18, 1873. L 52, L 96, L 191, L 192, L 194, L 273, L 369, L 751.

Nixon avenue, Dor.; from Centre street to Mather street; laid out as Nixon street, May 26, 1884.

***Nixon street**, Dor., 1884; from Centre street to Mather street; Nixon avenue laid out as Nixon street, May 26, 1884. L 1779.

Noble court, E. B.; from Sumner street between Cottage street and Seaver street, south-easterly.

Noble's corner, B., 1800; corner of Dock square and Friend street, then so called.

Noddle's alley, B.; by Directory, 1796; from Newbury (now Washington) street.

Noddle's Island, B.; name of East Boston previous to 1832.

***Nonantum street**, Bri., 1840; from Washington street at Oak square, southerly, south-westerly, and westerly to Newton line, named, June 15, 1840; previously called Indian lane; altered, etc., Sept. 10, 1855. L 2487.

Nonquit street, Dor.; from Dudley street, south-west, between Monadnock street and N. E. R.R.

Nopper street, Rox.; from Highland street to Ellis street; laid out with name of Fulda street, Aug. 27, 1889. L 2157.

Norcross place, So. B.; from East Eighth street, north, between K street and L street.

Norfolk avenue, B., 1828; from Washington street, near Bromfield street, west, then north, to Province House court (now Province court); name changed to Ordway place, April 21, 1868.

***Norfolk avenue**, Rox. and Dor., 1850; from Hampden street to East Cottage street; from East (now Hampden) street to Dorchester line accepted and named, Nov. 25, 1850; street leading from Norfolk avenue (Rox.) to Cottage (now East Cottage) street (Dor.), heretofore called Franklin street, named Norfolk avenue, being continuation of same, Dec. 21, 1875; for laying out see Franklin street.

Norfolk place, B., 1823; from Washington street to Harrison avenue, south of Bedford street; called Jarvis row, 1805; named Norfolk place (from Washington street, east, south of Suffolk place), 1823.

Norfolk place, Dor.; from Washington street near corner Norfolk street, south-west to Norfolk street; now called Norfolk terrace.

***Norfolk street**, Rox.; from Highland street to Lambert avenue; accepted, July 2, 1860. L 781.

Norfolk street, Rox.; from Ruggles (now Cabot) street to Williams (now part of Vernon) street; accepted and extended to Washington street over a part of Williams street and name changed to Vernon street, May 16, 1842.

***Norfolk street**, Dor.; from Washington street to Blue Hill avenue, at Mattapan near River street; laid out from Dr. Baker's to James Tolman's shop, May 9, 1803, and April 2, 1804; formerly West street; located by County Commissioners, Dec. 15, 1835; from Upper Mills to the Town House altered, etc., December, 1838; same

- named, March 11, 1840; part between B. H. & E. (now N. E.) R.R. and Jamaica street relocated, February, 1866; altered near Washington street, May 20, 1878; altered at Blue Hill avenue, Feb. 14, 1880; part near River street included in Blue Hill avenue, Nov. 5, 1894. L 1306, L 1435, L 1501, L 1759, L 1975, L 2083, L 2103, L 2495, L 2496, L 2497, L 2498, L 2499.
- Norfolk street**, W. Rox.; from Washington street to Kittredge street (formerly Roslin avenue).
- Norfolk terrace**, Dor.; from Washington street near corner Norfolk street, south-west, to Norfolk street; formerly called Norfolk place.
- Norfolk and Bristol turnpike**, Rox. and W. Rox.; old County road, from Dudley street, Roxbury, to Dedham line; alteration of part over Smelt brook confirmed, April, 1808; called Dedham turnpike, 1849; laid out as a public highway, with extension to Boston line, to meet end of Shawmut avenue there, June, 1857; part in Roxbury, from West Roxbury line, with extension to Boston line, named Shawmut avenue, Dec. 28, 1857; part in West Roxbury named Shawmut avenue, Feb. 3, 1858; from Dudley street, Roxbury, to Dedham line named Washington street, June 16, 1874.
- ***Norman street**, B., 1877; from Green street to Merrimac street; called Gouch lane, 1732; Gouch street, 1822; named Norman street, Dec. 18, 1877.
- ***North avenue**, Dor.; from Dudley street to Brook avenue; see plan dated 1860; laid out from Stoughton (now Dudley) street to Brook avenue, Aug. 12, 1869. L 880, L 1511.
- North avenue**, W. Rox.; from Centre street near corner of Grove street, north-west, to N. Y., N. H. & H. R.R.
- North row**, B., 1803; on Fish (now North) street, corner of Cross street.
- ***North square**, B., 1788; between North, Sun court, Moon, Garden court and Prince streets; called Clark's square, 1708; North square 1788; called Garden square on Carleton's map, 1800, but no record as such. L 211, L 2367, L 2422.
- ***North street**, B.; from Dock square to Commercial street; part of Ann street, from Dock square to North square, named North street, Jan. 1, 1852; Ann street, from North square to Commercial street, named North street, April 10, 1854; at different times called also Ship street, Fish street, Drawbridge street, Conduit street,—1708 to about 1824; Ann street from Union street at Dock square to Fish street at Cross street; Fish street from Cross street to Ship street at Fleet street; Ship street from Fleet street to Lynn street at Battery street. Vol. 31, pp. 45, 51, 58, 77, 91. L 6, L 81, L 83, L 113, L 127, L 169, L 172, L 252, L 1149, L 1947, L 2013.
- North street**, B., 1708; from Bennet street to the sea; from Clark's corner (Bennet street) across Lynn street to the sea, 1732; to Winisimmit Ferry, 1800; made a part of Hanover street, July 6, 1824.
- †**North street**, Dor.; from Boston (now Dorchester) street, near former South Boston line, north-westerly, passing intersection of E street leading to South Boston; see plan dated 1844; accepted to intersection of E street, April 11, 1849; now part of West Eighth street.
- ***North street**, Chsn.; from High street, south-westerly, parallel with Salem street; from Gorham (now High) street, south-west, to end of Osgood's lane, by plan dated 1810; accepted, Dec. 15, 1834; laid out "per present bounds," Nov. 17, 1851; name changed to Salem-street avenue, July 21, 1869.
- North Allen street**, B., 1807; from Chambers street to Brighton street; named Allen street, April 1, 1829.
- Northampton place**, B.; from Northampton street, south-westerly, to Camden street; court on easterly side of Everett school-house named Northampton place, Oct. 19, 1871.

- *Northampton street**, B. and Rox.; from Albany street, north-westerly, to the B. & P. (now N. Y., N. H. & H.) R.R.; order to open the street heretofore laid out over the land adjoining the Neck called Northampton street, and to extend the same from the Neck eastwardly to Roxbury line or Hill's dam, Sept. 8, 1819; laid out on the Neck, July 24, 1826; from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; certain alterations in June, 1842; street accepted, Dec. 7, 1857; part west of Tremont street, accepted, Dec. 2, 1867; part adjoining estate of Boston Water Power Company discontinued, Oct. 26, 1868. L 137, L 405, L 619, L 1195, L 1331, L 1353, L 1491, L 1700, L 2225, L 2708.
- *North Anderson street**, B., 1868; from Cambridge street, northerly, to grounds of Massachusetts General Hospital; called Bridge street, 1803; name changed to North Anderson street, April 21, 1868.
- *North Battery wharf**, B.; from Commercial street, north-easterly, between Hanover street and Battery street.
- *North Beacon street**, Bri.; from Cambridge street at Union square to Watertown line; Beacon street called North Beacon street, March 5, 1860; highway over Mill-dam road and Watertown turnpike and connecting bridges, from line between Brighton and Brookline through town of Brighton to line at Arsenal grounds, accepted, Nov. 19, 1868. L 1112.
- North Bennet place**, B., 1858; from North Bennet street, south-westerly; called Bennet place, 1834; named North Bennet place, 1858.
- *North Bennet street**, B., 1708; from Hanover street to Salem street; at different times known as North School street, North Grammar School street, North Latin School street and Bennet street.
- North Brimmer place**, B., 1867; from North street, south-easterly, near Richmond street; probably Trant's alley, 1849; called North Brimmer place, 1867; same called Brimmer place in 1884; North Brimmer place in 1890.
- *North Centre street**, B.; from North street, north-westerly, to Hanover street; previous to 1708 called Ball's alley and Perraway's alley; Paddy's alley, 1708; called North Centre street from Ann (now North) street, north-west, about 1773; Centre street from Ann street north of the bridge into Middle (now Hanover) street, 1778; from Ann street, west, across Middle street and Back (now Salem) street to the Mill-pond, 1800; from Ann street to Middle street, 1817. L 130, L 978.
- North Charles street**, B.; from Cambridge street to Leverett street; from Livingston street, south-west, 1841; extended southerly to Charles street, in front of new jail, 1855; extended from Cambridge street to Allen street, by construction of a pier bridge, 1856; from Cambridge street to Leverett street, 1859; street extending from Cambridge street to Leverett street, portions of which were laid out in 1855 and 1857 as "Charles street extended," and a portion of which is known as "North Charles street," called Charles street, in extension of that street, Feb. 13, 1866. L 45, L 97, L 202, L 278.
- North Chapel place**, B.; from 167 Friend street, between Market street and Traverse street; Chapel place sometimes so called.
- Northern avenue**, So. B.; a proposed street crossing Fort Point Channel, in continuation of Oliver street, north of and parallel with Eastern avenue (now Congress street); shown on plan dated Dec. 27, 1880.
- Northern avenue**, Dor.; from Washington street to Talbot avenue.
- North Federal court**, B., 1806; from Union street at junction of Hanover street, north-east; called Link alley, 1708; North Federal

- court, 1806; to Mill-pond street, 1820; discontinued, Sept. 7, 1857; partly built upon and closed, 1860; shown in 1884 and 1888, from Blackstone street, south-west.
- North Ferry, B.;** from the end of Battery street, east, to East Boston. L 207.
- North Ferry avenue, B.;** from Commercial street to Ferry Landing; from Commercial street, opposite Battery street, 1870; sometimes called People's Ferry avenue; laid out as Battery street, Aug. 3, 1880.
- North Ferry avenue, E. B.;** from Sumner street to Ferry Landing; given also as extension of Sumner street.
- *Northfield street, B.;** from Tremont street, south-easterly, then north-easterly, to Camden street; laid out from Tremont street between Camden street and Lenox street, 1856; named, Nov. 19, 1857; now from Tremont street to land of St. Vincent Orphan Asylum, then north-easterly by the same to Camden street.
- North Grammar School street, B.;** name given to North Bennet street, 1789.
- *North Grove street, B.;** from Cambridge street, northerly, across Fruit street to Medical College buildings; from Cambridge street, north, 1818; to the Medical College, 1850; accepted, Oct. 30, 1855. L 57, L 70, L 278.
- North Hanover court, } B.;** from Hanover street, north-westerly,
North Hanover place, } opposite Board alley; called Robinsons' court, 1821; Robbins court, 1824; North Hanover place or court, 1825; Hanover place, 1827; North Hanover court, 1840.
- *North Harvard street, Bri.;** from Cambridge street, north-westerly to Franklin street, then north-easterly to Charles river; named Harvard street from Cambridge street to Old Cambridge bridge, near the Colleges, June 15, 1840; altered, Nov. 24, 1857, at which date it was called Harvard street and there is no record of change to North Harvard street; called North Harvard street on plan dated 1866.
- *North Hudson street, B.,** 1838; from Hull street, north-easterly, to Snowhill street; laid out, March 1, 1875. L 1024.
- North Latin School street, B.;** name given to North Bennet street, about 1789.
- North Margin place, B.,** 1844; from North Margin street, easterly between Thacher street and Cooper street.
- *North Margin street, B.,** 1807; from Stillman street to Lafayette avenue; formerly from Salem street, north-westerly, northerly, north-westerly to Lafayette avenue; laid out over the Mill-pond, Aug. 3, 1807; from Thacher street to the First Baptist Church, 1821; extended through Richmond street to Salem street, 1841; extended from angle near and south of Cooper street to Stillman street, Sept. 25, 1891; part leading north-west from No. 90 Salem street to the part extended to Stillman street was changed to Wiget street, March 1, 1894. L 366, L 1221, L 1827, L 2337.
- North Margin-street court, B.,** 1868; from North Margin street, north-easterly, near and south of Lafayette avenue.
- *North Market street, B.,** 1825; from Commercial street to Merchants' row; laid out from Commercial street to Merchants' row, north side of Faneuil Hall Market, March 30, 1825; continuation to Dock square, which was staked out in 1826 as a continuation of North Market street and since used as a public street; laid out and established as a street of city, April 30, 1838.
- North Mead street, Chsn.;** from Medford street to Bunker Hill street; shown as an unnamed street on plan dated 1843.

- North Mead-street court**, Chsn.; from North Mead street, north-westerly.
- North Munroe terrace**, Dor.; from Neponset avenue nearly opposite Pope's Hill street to Train street.
- North Pleasant street**, Chsn.; from northerly end of Summer street, north-easterly, to Bunker Hill street; same conveyed to Town for public highway by Oliver Holden, July 17, 1810; name changed to Pearl street, July 7, 1845.
- North Quincy place**, Chsn.; from Quincy street, north-west between Medford street and South Quincy place.
- Northrop street**, Rox.; from Elm Hill avenue to Landseer avenue; now part of Ruthven street.
- ***North Russell street**, B., 1795; from Cambridge street to Eaton street; from Cambridge street northerly, 1800; on Carleton's map, 1800, from Cambridge street to Eaton street; named in 1802.
- North School street**, B.; name given to North Bennet street, 1789.
- North Short-street place**, Chsn.; from Short street, north-west, between Medford street and South Short-street place.
- North Townsend place**, B.; from 516 Commercial street; Townsend place sometimes so called; part of it included in Commercial street when widened in 1879; now included in park.
- North Writing School street**, B.; from Hanover street to Salem street, 1789; formerly called Love lane (called Love lane on Carleton's map, 1800, and Edes' list, 1800); lane formerly called Love lane named Tileston street, June 20, 1821.
- †**Norton street**, Dor., 1887; from Richfield street to Speedwell street; laid out from Bowdoin street to Richfield street, April 23, 1887; authority to open part from Bowdoin street to Speedwell street given by Street Commissioners, Aug. 29, 1893. L 1980.
- ***Norway street**, B.; from Huntington avenue to Parker street; Caledonia street laid out from Huntington avenue to Falmouth street with name of Norway street, Dec. 22, 1891, and extended over the private way known as Caledonia street, from Falmouth street to Massachusetts avenue, Sept. 14, 1894; Caledonia street, from Massachusetts avenue to Parker street; laid out as Norway street, July 10, 1896. L 2379, L 2619, L 2779.
- ***Norwich street**, B.; from Mystic street, south-easterly, to Meander street; laid out between Washington street and Harrison avenue, prior to 1834; named, 1850; accepted, July 23, 1862. L 1704.
- Norwood street**, Dor.; north-westerly, from and parallel with O. C. (now N. Y., N. H. & H.) R.R., crossing Tolman street.
- Notre Dame street**, Rox.; from Dimock street (formerly Codman avenue) to Bragdon street; named, April 28, 1871.
- Nottingham road**, Bri., 1895; from the junction of Colonial road and Melton road, near Chestnut Hill avenue and Commonwealth avenue; authority to open given by Street Commissioners, Jan. 1, 1895.
- Nottingham street**, Dor., 1892; from Bowdoin avenue to Bullard street; authority to open given by Street Commissioners, Sept. 23, 1892.
- Noyes alley**, B., 1801; near Merchants' row and Corn court, 1801; probably the easterly part of Corn court.
- Noyes place**, B., 1825; from Salem street, westerly, near Prince street.
- ***O street**, So. B., 1805; from Reserved Channel north of East First street to Strandway; from salt water on the south to the harbor of Boston on the north laid out and named, Feb. 27, 1805; lines run and stakes or posts placed at corners of intersecting streets, Sept. 21, 1835; lines run and established, April 23, 1849; laid out from low-

- water mark north of First (now West First) street to Harbor line in Dorchester Bay, Nov. 17, 1868. L 7.
- O-street place**, So. B.; from O street to Cordage court, between East Sixth street and East Seventh street.
- Oak avenue**, Dor.; from Adams street to Plain street; shown in 1867.
- Oak avenue**, W. Rox.; from Cass street, south-west, near West Roxbury Branch R.R.; formerly called Elm street.
- Oak place**, B.; from Oak street, southerly, opposite Ash street; Ash street completed, about 1820, across Oak street to near Pine street, and in 1834 the part south of Oak street called Oak place.
- *Oak place**, W. Rox.; from Green street, north-east, then north-west, to Lamartine street, with a short piece from angle to B. & P. (now N. Y., N. H. & H.) R.R.; laid out from Green street to Lamartine street, Feb. 14, 1876; name changed to Oakdale street, March 1, 1884. L 1130.
- Oak ridge**, Dor.; from Morton street.
- *Oak square**, Bri.; junction Faneuil, Washington; Tremont, and Nantum streets; laid out, Sept. 10, 1855; named, March 5, 1860. L 1632.
- *Oak street**, B., 1805; from Washington street to Albany street; from Orange (now Washington) street to Ash street, 1809; extended to Front street (now Harrison avenue), 1827; accepted, April 16, 1832; extended to Lincoln street, 1837; accepted from Harrison avenue to Albany street, Oct. 9, 1848; Oak street from Albany street and Lincoln street from Kneeland street discontinued on land of B. & A. R.R. Company at some time later than 1880; no record.
- Oak street**, So. B.; from Old road from Boston (now Boston street) to land of Boston Wharf Company; shown in 1846; name changed to Ellery street, Aug. 7, 1855.
- Oak street**, Rox.; from Massachusetts avenue to Norfolk avenue; same called Oakes street.
- Oak street**, Rox.; from Park street to Elm street (now Longwood avenue), 1850; laid out with name of Autumn street, 1871.
- Oak street**, Rox.; from Edinboro' (now Thornton) street to Norfolk and Bristol turnpike (now Washington street), 1844; shown as an unnamed 30-foot street on plan dated 1835; also called Mechanics street on plan dated 1843; accepted conditionally, Sept. 3, 1855; accepted finally Feb. 9, 1863; name changed to Oakland street, April 21, 1868.
- Oak street**, W. Rox.; from Beech street south-westerly, crossing Farrington avenue or street; shown in 1872; laid out from Farrington street to Beech street with name of Kenneth street, July 24, 1891.
- *Oak street**, Chsn.; from Main street to Russell street; accepted, March 22, 1841.
- Oak terrace**, Dor.; from Birch street to Lyons street.
- *Oakdale street**, W. Rox.; from Green street, north-east, then north-west to Lamartine street; formerly Oak place, and by that name laid out, Feb. 14, 1876; name of part of Oak place changed to Oakdale street, March 1, 1884. L 1130.
- Oakdale place**, W. Rox.; from Oakdale street, south-east, near Green street.
- Oakdale square**, W. Rox.; from Oakdale street, north-east.
- Oakdale terrace**, W. Rox.; from Oakdale street, north-west.
- Oake's corner**, B.; 1777; corner of Summer street and Newbury (now Washington) street then so called.
- Oakes street**, Rox.; from Norfolk avenue to Massachusetts avenue; Oak street so called.

- Oak Grove terrace**, Rox.; from Ruggles street nearly opposite Westminster street south-west to Auburn place.
- Oak Hill avenue**, Dor.; from Delhi street south-east towards West Selden street.
- Oakland avenue**, Rox.; from Dudley street between Greenville street and Mt. Pleasant avenue, south-west; Albany avenue, 1874.
- Oakland avenue**, Bri.; from Oakland street, south-west.
- Oakland avenue**, Dor.; from Columbia street, south-east, parallel with Rosalinda street; shown on plan dated 1872 in about the location of present Hewins street.
- Oakland park**, Rox.; from Oakland street, south-west.
- Oakland place**, Dor.; from Blue Hill avenue, west, then south-west to Oakland street.
- Oakland place**, Bri.; from Oakland street.
- ***Oakland street**, Rox.; from Washington street to Thornton street; called Mechanic street on plan dated 1843; formerly also called Oak street and by that name accepted Feb. 9, 1863; named Oakland street, April 21, 1868.
- ***Oakland street**, Dor.; from River street to Harvard street; shown but not named on plan dated 1855; part in West Roxbury shown on plan without date; laid out from River street, Upper Mills, to Norfolk and Bristol turnpike (now Washington street), West Roxbury, by way of Berry street and Ashland street, September, 1856.
- ***Oakland street**, Bri., 1853; from Washington street, northerly, then westerly, then north-westerly, to Faneuil street; located, May 6, 1853; accepted and named, Sept. 5, 1853.
- Oakley street**, Dor., 1893; from Bowdoin street to Geneva avenue; authority to open given by Street Commissioners, March 22, 1893.
- ***Oakman street**, Dor., 1873; from Walnut street to Taylor street (Neponset); laid out, June 22, 1875. L 1051.
- Oakridge street**, Dor., 1893; from Codman street to Morton street; authority to open given by Street Commissioners, June 7, 1893.
- Oakview avenue**, Rox.; from Marcella street, north-east, then north-west.
- Oakville avenue**, Rox.; from St. James street, north-east, nearly opposite Alpine street.
- Oakwood avenue**, Dor.; from Capen street nearly opposite Dyer street, westerly.
- ***Ocean street**, Dor.; from Ashmont street to Welles avenue; laid out, July 31, 1873. L 888.
- Odeon avenue**, B., 1842; from Milk street to Franklin street; formerly called Dinsdale's alley and Theatre alley; the south part of Theatre alley called Odeon avenue, 1842; from Milk street to Franklin street, 1859; Devonshire street extended through, 1859; called also Odeon place. L 101.
- Ohio place**, B., 1843; from Washington street, west; called Mechanics place, 1823; name of Ohio place, leading from Washington street to Shawmut avenue, changed to Ohio street, May 30, 1872. L 549, L 726.
- ***Ohio street**, B.; from Washington street to Shawmut avenue; called Mechanics place from Orange (now Washington) street, west, 1823; Ohio place, 1843; name changed to Ohio street, May 30, 1872; laid out, Aug. 21, 1883. L 549, L 726, L 1724.
- Oke's corner**, B., 1708; in Newbury (now Washington) street.
- Old Cambridge road**; see Cambridge street, Chsn.
- Old Harbor place**, So. B.; from Old Harbor street, east, between Thomas park and East Eighth street; shown in 1873.

- †**Old Harbor street**, So. B.; from Dorchester street to East Ninth street, with proposed extension to line in "Old Harbor;" laid out on land of Champney, Thos. Bird's heirs, and Mary Clap, Feb 27, 1805; laid out from Dorchester street to former dividing line between Dorchester and Boston, Nov. 17, 1868. Vol. 31, pp. 30, 85. L 752, L 1790.
- Old road**, So. B.; before annexation, part of Dorchester street; from angle in same north of Third street to the junction of M street and Fourth (now East Fourth) street, see plan dated 1837; name of part from Third (now East Third) street to Fourth (now East Fourth) street changed to Emerson street, March 22, 1864.
- ***Old road**, Dor.; from Columbia street to Elmo street; discontinued from Columbia street to Blue Hill avenue, Nov. 8, 1880; relocated from Michigan avenue to Blue Hill avenue, Oct. 29, 1889. L 1469, L 1503, L 2185.
- Old road**, W. Rox.; leading from Canterbury street to Boston, and lying between Blue Hill avenue and land of W. E. Abbott; discontinued, July 26, 1852.
- Old road to Dedham**, W. Rox.; from Centre street, opposite Third Parish Meeting-house; shown on plan dated 1815; now part of South street.
- Old way**, B.; from Cross street, north, by the Mill-pond, 1708-1732; closed.
- Oleander street**, Dor.; from Magnolia street to N. E. R.R.
- Olive court**, B.; from Washington street, east, 1837; called Olive pl., 1849.
- Olive place**, B.; from Washington street, south-easterly, to Waltham street, near its junction with Harrison avenue; called Olive court, 1837; Fisher's court, 1846; Olive place, from Washington street, east, afterwards to Harrison avenue.
- Olive street**, B.; north of J. Joy's to the water, 1796; from Belknap (now Joy) street to Charles street, 1817; Sumner street extended through Olive street, July 6, 1824; named Mt. Vernon street, Aug. 27, 1832.
- Oliver court**, B.; from Webster avenue, easterly; same in 1863.
- Oliver place**, B.; from Essex street to Beach street; same in 1825; sometimes called Oliver's avenue.
- ***Oliver street**, B.; from Kilby street to Atlantic avenue; the street where Mr. Daniel Oliver dwells, from Milk street to Fort Hill, 1708; from Milk street, south, to Cow lane (now High street) 1732; called Oliver's lane by Directory, 1789; from Milk street to Washington place (Fort-Hill square), 1817; the portion now from Fort Hill square to Atlantic avenue was called Gibbs or Gibson's lane from 1708, and named Belmont street, from High street to Broad street (now Atlantic avenue), 1845; Oliver street extended through Washington square and Belmont street, Sept. 6, 1865; name of Belmont street changed to Oliver street, April 21, 1868; portion discontinued, May 21, 1868; extended to Kilby street at Liberty square, April 18, 1873. L 298, L 299, L 300, L 301, L 378, L 492, L 850, L 853, L 883, L 922, L 2090.
- Oliver's avenue**, B.; Oliver place, from Essex street to Beach street, sometimes so called.
- Oliver's bridge**, B.; in Mackerel lane (now Kilby street), 1722.
- Oliver's (Mrs.) corner**, B.; at foot of Water street, 1708.
- Oliver's lane**, B., 1789; Oliver street so called.
- Olmstead street**, W. Rox., 1893; from Forest Hills street to Peter Parley street; authority to open given by Street Commissioners, May 24, 1893; formerly called Eugene street.

- ***Olney street**, Dor.; from Bowdoin street to Rosseter street; name of Green street between Bowdoin street and Geneva avenue changed to Olney street, Dec. 30, 1876; through Union avenue, extended from Geneva avenue to Rosseter street, March 1, 1888. L 1191, L 1727, L 1652, L 2020.
- Olney-street place**, Dor.; from Olney street to Wales place; formerly called Green-street court.
- ***Oneida street**, B.; from Harrison avenue to Albany street; from Harrison avenue, east, 1844; to Albany street, 1845; accepted, Jan. 5, 1856. L 234.
- Onslow terrace**, So. B.; from East Fifth street south between M street and N street.
- Ontario street**, B.; from Lincoln street to Lehigh street, 1855; closed. L 61.
- ***Ontario street**, So. B.; from Swan street to Foundry street; laid out between Sixth street and Swan street, Oct. 12, 1869; closed; taken by O. C. R. R. Co. by authority of the Acts of Legislature of 1893. L 483, L 514.
- ***Ophir street**, W. Rox., 1892; laid out from Washington street to Brookside avenue, Sept. 6, 1892. L 2433.
- Orange avenue**, B.; from West Orange street to West Castle street, nearly opposite Middlesex street, 1849; sometimes called Orange place; closed.
- Orange court**, B.; from Orange (now Washington) street, west, 1823; previously called Dutch lane; from Washington street, to Johnson school-house accepted, Oct. 1, 1838; accepted and laid out, Sept. 1, 1845; name changed to Dix place, March 30, 1846.
- Orange court**, Rox., 1850-59; from Fellows street, north-westerly.
- Orange lane**, B.; from Washington street, opposite Orange street, to Harrison avenue; same in 1827.
- Orange place**, B.; from Washington street, west, 1825; accepted from Washington street, westerly, as far as houses numbered 30 and 31 and named Orange street, Aug. 2, 1830.
- Orange place**, B.; from West Orange street to West Castle street, nearly opposite Middlesex street, 1849; same as Orange avenue; closed.
- Orange street**, B.; from Washington street to Shawmut avenue; Orange place, 1825; Orange place accepted from Washington street as far westerly as houses numbered 30 and 31, and named Orange street, Aug. 2, 1830; formerly a public street, but was discontinued in 1872; from Washington street next south of the B. & A. R.R., 1874. L 523, L 547, L 549, L 563, L 727.
- Orange street**, B.; from Beach street to Dover street, 1663; from Essex street to the fortifications (near Dover street), 1703; made a part of Washington street, July 6, 1824.
- †**Orange street**, Rox.; from Washington (now Roxbury) street to Clay (now Linden-Park) street; also from Clay street to junction Ruggles and Cabot streets; laid out, etc., July 25, 1853; accepted, between Washington street and Pearl (now King) street, Sept. 7, 1857; accepted, conditionally, between Factory (now Vernon) street and Culvert street, Oct. 28, 1867; part between Washington street and Pearl street, named Elmwood street, April 21, 1868; between Clay street and Cabot street, named Hampshire street, April 21, 1868; remainder from Pearl street to Clay street, subsequently named Elmwood street; no record.
- Orange street**, W. Rox.; from Beech street, north-easterly, then north-erly to West street; same in 1874.
- Orange-Tree lane**, B.; previously to 1708, from Queen (now Court) street to Hudson lane (now Elm street); called Hanover street in 1705.

- Orchard avenue, W. Rox.;** from Morton street near Washington street.
- Orchard court, Rox.;** from what is now Orchard street to a point opposite Proctor (now Eustis) street, and about 100 feet distant, north-westerly from Adams street; name changed to Orchard street, and extended to Adams street, May 27 and Sept. 10, 1867; called Eustis street, April 21, 1868.
- Orchard park, Rox.;** park at junction of Chadwick street and Orchard-Park street.
- Orchard place, Dor.;** from Boston street, south-easterly, opposite Clapp street.
- † **Orchard street, Rox.;** from Yeoman street to Eustis street across Orchard park; also from Orchard street, opposite Trask place, to Adams street now Orchard-Park street; accepted, conditionally, Oct. 24, 1859; portion of Eaton street from Orchard street to Adams street, accepted and named Orchard street, Nov. 12, 1860; now Orchard-Park street; extended to Adams street, through Orchard court, May 27 and Sept. 10, 1867 (this part is now Eustis street); between Dearborn street and Adams street called Eustis street, April 21, 1868.
- * **Orchard street, W. Rox.;** from Centre street to Pond street; accepted, located and laid out, Oct. 1, 1866; accepted, March 23, 1867; laid out, 1873.
- Orchard street, Bri.;** from Saunders street to Gordon street; laid out as Pomeroy street, June 9, 1887. L 1994.
- * **Orchard-Park street, Rox.;** from Chadwick street at junction with Ambrose street to Adams street; that part of Eaton (now Orchard-Park) street to Adams street, accepted and made a part of Orchard street, Nov. 12, 1860; from Orchard street to Hartopp place (now Ambrose street) at junction with Chadwick street, laid out, Feb. 19, 1876; no record of change of name of part of Orchard street between Orchard street and Adams street to Orchard-Park street. L 1132.
- Orchardale street, Dor.;** from Westville street to Corona street.
- Ordway place, B.;** from Washington street, near Bromfield street, west, then north to Province court; called Norfolk avenue, 1823; named Ordway place, April 21, 1868.
- * **Oregon street, Rox.;** from Conant street to Smith street; laid out from Conant street, and extended to Smith street, Sept. 23, 1882. L 1641.
- Organ-Park street, W. Rox.;** from Catherine street, south-east, then north-east, near Bourne street.
- Orient avenue, E. B. (Breed's Island);** from Farrington street, west, to unnamed street near B. & M. R.R.
- Orient Heights, E. B.;** on Breed's Island.
- Orienta place, Breed's Island;** from Orient avenue to Gladstone street.
- Oriental court, Rox.;** from Phillips street, westerly, near Tremont street.
- Oriole street, Rox.;** from Walnut avenue to Humboldt (formerly Williams avenue); laid out as Ruthven street, Dec. 1, 1884. L 1837.
- * **Oriole street, W. Rox.;** from Park street to Bellevue street; same in 1874; laid out, Aug. 28, 1882. L 1634.
- Orkney road, Bri., 1896;** from Strathmore road to west of Ayr road; authority to open given by Street Commissioners, July 30, 1896.
- † **Orleans street, E. B.;** from Marginal street to Bennington street; laid out from Maverick street to Marginal street, Aug. 7, 1848; portion between Maverick and Decatur streets accepted, April 5, 1859. L 1133.
- Ormond street, Dor., 1895;** from Blue Hill avenue, opposite Fessenden

street, north-westerly to beyond Duke street; authority to open given by Street Commissioners, May 20, 1895.

Ormond terrace, B., 1896; from Harrison avenue, opposite Newcomb street; formerly sometimes called a part of Orange court.

Osborn place, B.; from Pleasant street to and crossing Shawmut avenue; from Pleasant street, south, between Washington street and Tremont street, 1845; a portion taken by the extension of Shawmut avenue in 1870. L 549, L 724, L 726, L 792.

***Oscar street, Rox.**; from Parker street to Terrace street; private way known as Drury place, laid out as Oscar street, Aug. 19, 1881. L 1548.

Osgood court, Rox.; from Washington street, north-westerly, parallel with Cedar street.

Osgood place, B.; from Poplar street to Pike alley; same in 1874.

Oswald street, Rox., 1894; from Hillside street to Calumet street; authority to open given by Street Commissioners, Sept. 20, 1894.

***Oswego street, B.**; from Harrison avenue to Albany street; from Harrison avenue, east, 1844; to Albany street, 1845; accepted, Jan. 5, 1856. L 208, L 2679.

Otis place, B.; from Brimmer street; westerly and southerly and northerly, to Mt. Vernon street.

Otis place, B.; from Summer street, opposite Kingston street, to rear of Franklin place; called Otis street from 1812 to 1816; Otis place, 1816 to 1861; renamed Otis street, April 23, 1861. L 105, L 133.

Otis place, Chsn.; from Main street; opposite Lincoln street, north-east.

Otis place, W. Rox.; from Norfolk street, south-west.

***Otis street, B.**; from Summer street, opposite Kingston street; to Winthrop square; from Summer street to rear of Franklin place, 1812; called Otis place, 1816; renamed Otis street, April 23, 1861; on petition for acceptance City Solicitor gives opinion that Otis street is a public highway, Nov. 11, 1861. L 338, L 832.

Otis street, Rox.; name changed to Townsend street, April 21, 1868; (Townsend street from Washington street to Warren street, 1884).

Otis street, Bri.; from Cambridge street, north-westerly, then westerly, to Franklin street; from Cambridge street to Hill avenue, laid out as Mansfield street, April 17, 1882; Hill avenue, which is the part from Franklin street, easterly, laid out as Easton street, Sept. 10, 1889. L 1600.

Otis wharf, B.; from Atlantic avenue, easterly, between High street and Oliver street

***Otisfield street, Rox.**; from Blue Hill avenue to Gaston street; formerly Otisfield avenue; laid out, March 5, 1895. L 2698.

Ottawa place, B.; from Washington street, east, near South May (now Savoy) street; called Sands place, 1859; named Ottawa place, 1873; name changed to Temple park, 1879; now called Mechanics' row.

***Ottawa street, Rox.**; from Sherman street to Laurel street; laid out, Sept. 7, 1871. L 687.

***Otter street, B.**; from Beacon street, northerly, to Charles river; same in 1847; laid out by Boston and Roxbury Mill Corporation, Feb. 26, 1849; accepted, July 1, 1857.

Overlook street, Rox., from Fisher avenue to Parker Hill avenue.

Overlook street, Breed's Island; from Gladstone to Farrington street; authority to open from Farrington street to Waldemar avenue, Aug. 26, 1896.

Owens street, Dor.; from Morton street.

Oxford place, B.; from Harrison avenue, easterly, then northerly and

- southerly, with opening from the south end easterly into Oxford street; from Harrison avenue, east, near Essex street, 1842.
- ***Oxford street, B.**; from Essex street to Beach street; same including Peck lane, 1842; accepted and named, Oct. 24, 1842.
- ***Oxford street, Rox.**; from Sudbury (now Weston) street to Tremont street; accepted conditionally, March 11, 1844; accepted finally, March 3, 1845; name changed to Newbern street, April 21, 1868.
- Oxford terrace, B.**; from Huntington avenue, near Dartmouth street, south-east, then north-east, 1884.
- ***P street, So. B.**; from Reserved Channel, north of East First street, to the Strandway; formerly to "Old Harbor," south of East Sixth street; from salt water on the south to the Harbor of Boston on the north, laid out and named, Feb. 27, 1805; laid out from low-water mark north of First street to Harbor line in Dorchester bay, Nov. 17, 1868.
- ***Pacific street, So. B.**; from East Fourth street to Thomas street (now Thomas park); laid out, Jan. 5, 1875. L 1003.
- Packard's wharf, B.**; from Atlantic avenue, south-easterly, nearly opposite Oliver street.
- Paddy's alley, B.**; from Ann (now North) street, north-westerly; prior to 1708 called Ball's alley, and also Perraway's alley; called Paddy's alley, 1708; from Ann street to Middle (now Hanover) street, 1732; a new street laid out in part over the old Paddy's alley, April 16, 1767, and relaid, June 17, 1773, being called Paddy-alley street; named North Centre street about 1773.
- Paddock's mall, B.** 1777; the west side of Common (now Tremont) street, opposite Rawson's lane (now Bromfield street).
- Page avenue, Dor.**; from McLellan street to Glenway street; Page avenue laid out under the name of Page street, Jan. 22, 1897. L 2825.
- Page street, Dor.**, 1897; from McLellan street to Glenway street; Page avenue laid out with name of Page street, Jan. 22, 1897. L 2825.
- Page terrace, Dor.**, 1895; from Page avenue, south-east.
- Page's court, B.**, 1837; from North street, near Harris street; called Ann-street court from Ann (now North) street, west, near Bartlett (now Harris) street, 1830; named Page's court, 1837.
- Page's court, B.**; by plan of 1851, from Ann (now North) street, west, next north of Sun-court street; closed.
- Page's court, So. B.**; from West Broadway to Athens street, between D street and E street.
- Page's yard, B.**; from Ship (now Commercial) street, 1823; Richmond street extended through it in 1831.
- Paine place, B.**, 1849; from Washington street, east, near and south of Bennet street; now built over.
- ***Paine street, W. Rox.**, 1884; from Canterbury street to Walk Hill street; Sargent street laid out as Paine street, May 1, 1884. L 1768.
- Pain's lane, W. Rox.**; from end of Berry street; shown on plan 246, Vol. 3, Norfolk County Commissioners; included in Berry street; also called Paine's lane.
- Paisley park, Dor.**, 1891; from Bournside street to Upland avenue; authority to open given by Street Commissioners, Oct. 1, 1891.
- Palmer place, Rox.**; from 65 Palmer street, south-westerly; named, March 14, 1871.
- Palmer street, B.**, 1788; from Milk street, opposite Tanner's lane (now Bath street), southerly by the Rope-walks to Cow lane (now High

street); called Hutchinson lane or street, 1732; called Palmer street, 1788; named Pearl street, 1800.

***Palmer street**, Rox.; from Washington street to Eustis street; name of Sumner street changed to Palmer street, April 21, 1868. L 1281.

Paris court, E. B.; from 79 Paris street between Decatur street and Wesley street; shown as extending to Chelsea street on atlas, 1884, and given as Parley court on atlas, 1874.

Paris place, E. B.; from easterly side of Paris street between Gove street and Porter street.

Paris place, B., 1848; name changed to Merrimac place, from Merrimac street, south, near Gouch (now Norman) street, 1857.

***Paris street**, E. B.; from Sumner street to Bennington street, near Putnam street; accepted to Maverick street, Aug. 27, 1849; the part laid out by East Boston Company laid out and named by City, July 28, 1851; accepted and laid out between Meridian street and Decatur street, July 12, 1852; accepted between Decatur street and Porter street, June 15, 1859; laid out from Porter street to Bennington street, Sept. 23, 1871. L 688, L 1653, L 2502, L 2718.

***Parish street**, Dor.; from Winter street, easterly; laid out, Aug. 27, 1884. L 1807, L 2310.

Park avenue, W. Rox.; from Centre street to Robin street; Park street so called on map, 1849.

Park lane, W. Rox., 1894; from Walnut avenue, near and north of Peter Parley street; formerly called Franklin Park terrace, and authority to open given under that name, by Street Commissioners, May 24, 1893; Park Lane laid out as Park Lane street, Nov. 23, 1895. L 2750.

Park place, B., 1836; from Hanover street, west, near Broad alley, probably changed to Parkman place.

Park place, B.; Park street so called in Directory, 1806.

Park place, Rox.; from 53 Yeoman street, south-westerly.

Park place, W. Rox.; from 6 Myrtle street, southerly.

Park place, W. Rox.; area at the junction of Forest Hills street and Morton street, so called on atlas of 1884.

***Park square**, B.; at the junction of Pleasant street, Boylston street and Columbus avenue; part of public highway at junction of Pleasant, Boylston, and Charles streets discontinued and enclosed as a public square and named Park square, Nov. 28, 1855. Vol. 31-72. L 613, L 878.

Park square, W. Rox.; north-easterly from and parallel with Park avenue or street; now a part of Irving street.

***Park street**, B., 1803; from Tremont street to Beacon street; prior to 1803 called Centry or Sentry street; named Park street, 1803; in 1806 Directory called Park place; confirmed as a public street, Sept. 15, 1834.

Park street, Rox.; name changed to Edgewood street, April 21, 1868; Edgewood street from Warren street to Blue Hill avenue was laid out, April 9, 1875.

Park street, Rox.; from Brookline avenue to Riverway; formerly from Binney street to Longwood street; part between Brookline avenue and Binney street laid out as Smyrna street, May 17, 1882. L 1610.

†**Park street**, Dor.; from Bernard street to Freeport street; from Commercial (now Freeport) street to Dorchester avenue located, Aug. 18, 1845; laid out from Dorchester avenue to Washington street, April 1, 1851; laid out from Washington street to the N. E. R.R., Sept. 8, 1886; part west of Washington street sometimes called West Park street. L 1182, L 1945.

- †**Park street**, W. Rox.; from Montview street to Robin street; from Centre street to Robin street called Park avenue on map, 1849; laid out and accepted from Centre street to estate of Cox and others, March 29, 1872; laid out from a point between Pelton street and Anawan avenue (being about 2,000 feet from Centre street) to Martin street, Nov. 11, 1875. L 1090, L 1091.
- ***Park street**, Chsn.; from City square to Winthrop square; part of Warren street, commencing at City square with extension of same to Winthrop square, named Park street, Dec. 29, 1868. L 1549.
- Parker avenue**, Bri.; from North Harvard street, north-east, near Cambridge street.
- Parker court**, W. Rox.; from Paul Gore street, south-westerly, near Chestnut avenue.
- Parker court**, Bri.; from 48 Wexford street, south-west.
- Parker place**, Rox.; from Parker Hill avenue, at angle near Hillside street; westerly then south-westerly.
- Parker place**, Rox.; from Terrace street, opposite Alleghany street; formerly from Parker street, crossing Terrace street; part from Parker street to Terrace street laid out as Alleghany street, Oct. 2, 1877. L 1268.
- Parker street**, B., 1856; from Washington street to Harrison avenue; called Sprague street, 1855; named Parker street, Jan. 29, 1856; name changed to Rollins street, April 21, 1868. L 35.
- ***Parker street**, Rox.; from Boylston street to Centre street; laid out from Tremont street to Sewall, Day & Co.'s Works, Jan. 19, 1662, laid out from Heath street to Centre street, Jan. 19, 1662; named from Heath street by John Parker's to Worcester turnpike (now Beacon street) and across same to Mill-dam (now Beacon street), May 9, 1825; altered "from top of hill near Prospect street," Sept. 7, 1857; lines changed from Washington (now Tremont) street to Alleghany street, May 31, 1858; altered at junction with Heath street, Sept. 5, 1870; extended from Heath street to Centre street, Aug. 1, 1871; laid out between northerly line of Boylston street, extended and northerly end of part of Parker street south of Boylston street, now a public highway, Aug. 25, 1877; discontinued between Commonwealth avenue and Beacon street, Dec. 5, 1879; discontinued between West Chester park (now Massachusetts avenue) at Commonwealth avenue and Boylston street, Nov. 8, 1880. L 493, L 534, L 650, L 1260, L 1261, L 1262, L 1411, L 1504, L 1574, L 1845, L 1846, L 1847, L 1848, L 1849, L 2009, L 2588, L 2589.
- ***Parker street**, Chsn.; from Perkins street to Cambridge street; laid out and accepted, Sept. 18, 1865.
- ***Parker Hill avenue**, Rox.; from Huntington avenue to Parker street; name of Highland place changed to Parker Hill avenue, May 3, 1870; laid out from Tremont street (now Huntington avenue), and extended to Parker street, April 16, 1877. L 1234, L 1235, L 1236, L 1237.
- Parker's alley**, So. B.; from 222 West Fourth street to Silver street, now partly built over and remainder called Hayden place.
- Parker's court**, So. B.; from 228 West Fourth street to Silver street; shown on atlas, 1874; called Smith place on atlas, 1884, and not shown on later atlas.
- Park lanestreet**, W. Rox., 1895; from Walnut avenue north-westerly to near Olmstead street; laid out Nov. 23, 1895; formerly called Franklin Park terrace. L 2750.
- Parkman place**, B., 1825; from Hanover street, north-westerly, between Cross street and Parmenter street.
- Parkman place**, Dor.; from Parkman street, north, near Adams street.

- ***Parkman street**, B., 1868; from North Russell street, westerly, to North Grove street; called Vine street from North Russell street to Bridge (now North Anderson) street, 1806; extended to North Grove street, 1852; name changed to Parkman street, April 21, 1868. L 94, L 1754.
- Parkman street**, B., 1846; from Dover street, north; called Tucker street, 1831; named Parkman street, 1846; name changed to Albion street, 1849.
- ***Parkman street**, Dor.; from Dorchester avenue to Adams street; laid out and accepted, June 11, 1853. L 1210, L 1231, L 2093.
- Parkman street**, Bri., 1875; from Brooks street, north-west, near Faneuil station; part shown east from Brooks street on early atlas.
- Parkman's corner**, B., 1708-1732; corner of Ship (now Commercial) street and Battery alley (now street).
- Parkway**, E. B.; from Bennington street to Wood Island Park; includes what was formerly called Neptune street or avenue.
- Parley avenue**, W. Rox., 1880; from Centre street to Rockview street; same given Parley vale, Directory, 1884.
- ***Parmenter street**, B., 1870; from Hanover street to Salem street; called Bear, Beer or Bur lane, 1708; Bridge's lane, 1796; Richmond street, 1800; name changed to Parmenter street, December, 1870. L 319, L 331, L 443, L 2659.
- ***Parnell street**, B., 1880; from Lenox street to Sawyer street; called Plympton court, 1844; laid out and named Parnell street, Sept. 8, 1880. L 1489.
- Parris place**, B., 1845; from Poplar street, north, between Chambers street and Spring street; name changed to Melrose place, 1849.
- Parrott's alley**, B., 1800; from Water street to Milk street, nearly opposite Oliver street; probably the same as Board alley; now closed and occupied by the Mason building.
- ***Parsons street**, Bri., 1853; from Washington street to North Beacon street; laid out, June 3, 1842; accepted conditionally, July 18, 1842; laid out, June 24, 1853; accepted and named, Sept. 5, 1853; laid out from Beacon street to Faneuil street, May 19, 1856; accepted, March 9, 1857; relocated between Washington street, and Faneuil street, April 29, 1882. L 1608, L 1609.
- Partridge street**, W. Rox.; from La Grange street, opposite Adelaide terrace, to Cottage avenue.
- ***Passageway**, B.; from Faneuil Hall square to North street; very ancient, especially the northerly half next to North street; the City Solicitor decides that it is a public way, Sept. 23, 1879; named Bendall's lane, Feb. 27, 1882.
- Passageway**, B.; from Shawmut avenue to Tremont street between Upton street and Union park; laid out, 20 feet wide, Jan. 19, 1858, but City Solicitor rules (1879) that the action was illegal, there having been no order of notice; see Union Park passageway.
- Passageway**, Chsn., 1875; from Medford street to Prescott school; now partly built over by Medford-street Primary School-house.
- Patten street**, W. Rox., 1896; from Hyde Park avenue to Bourne street; authority to open given by Street Commissioners, Aug. 5, 1896.
- Patterson street**, Dor.; from Codman street, near Dorchester avenue to Brook street.
- ***Paul street**, B., 1868; from Tremont street to Emerald street; name, of Gardner (or Gardiner) street changed to Paul street, April 21, 1868; laid out, Dec. 31, 1870. L 546, L 566, L 837, L 838, L 1349.
- ***Paulling street**, Rox., 1884; from Dale street to Bainbridge street; laid out, Sept. 17, 1884. L 1821.

- ***Paul Gore street**, W. Rox.; from Centre street to Lamartine street; part from Centre street to Chestnut avenue laid out, Sept. 14, 1882; laid out from Chestnut avenue to Lamartine street, July 5, 1887. L 1638, L 2000, L 2781.
- Paul Gore terrace**, W. Rox.; from 82 Paul Gore street.
- Payson avenue**, Dor.; from Hancock street to Glendale street.
- Payson court**, So. B.; from 312 West Broadway to Athens street.
- Payson place**, Chsn., 1875; from 9 Elm street, near High street, south-easterly, then north-easterly, to Howard place.
- ***Peabody square**, Dor., 1893; the open space at the junction of Talbot avenue, Dorchester avenue and Ashmont street; named Nov. 20, 1893.
- Peabody street**, Rox.; from Brookline avenue to Binney street.
- Peabody place**, W. Rox.; from 219 Lamartine street, near Spring lane.
- Peaceable street**, Bri., 1875; from Rockland street to Winship street.
- ***Pearl place**, B. 1828; from Pearl street, east, between Milk street and High street; laid out and extended to Oliver street, July 23, 1869; name changed to Wendell street, being a continuation of that street, March 1, 1883. L 459, L 463.
- Pearl place**, E. B.; between and parallel with Webster street and Marginal street, near Cottage street.
- ***Pearl street**, B., 1800; from Milk street to Atlantic avenue; called Hutchinson lane, from Milk street to Cow lane (now High street), 1722; Hutchinson street, 1743; Palmer street, 1788; Green lane by plan of 1789; name of Hutchinson street changed to Pearl street, Jan. 22, 1800; extended to Purchase street, including Griffin's or Gridley's lane, 1821; extended from Purchase street to Broad street (now Atlantic avenue) July 10, 1837; extended from Milk street to Congress street at Water street, including portions of Bath street, April 18, 1873; last named portion called Post Office square, Dec. 28, 1874. Vol. 31, p. 6; Vol. 31, p. 27-65; Vol. 19, p. 69. L 2, L 82, L 656, L 846, L 853, L 915.
- Pearl street**, Rox.; name changed to King street, April 21, 1868; King street, from Roxbury street to Elmwood street, laid out, July 16, 1877.
- ***Pearl street**, Dor.; from Pleasant street to Dorchester avenue; Selectmen report in favor of acceptance, Sept. 12, 1855; laid out, July 13, 1859; laid out as a town way, March 5, 1860.
- ***Pearl street**, Chsn., 1845; from High street to Medford street; from Summer street to Bunker Hill street conveyed to Town by Oliver Holden, for a public highway, July 17, 1810, being called North Pleasant street; named Pearl street July 7, 1845; accepted conditionally, from Bunker Hill street to Medford street, May 4, 1856; same accepted Oct. 25, 1854; altered from Summer street to High street, Oct. 22, 1867.
- Pearl street**, Bri.; from Franklin street to Everett street; laid out by Selectmen, Dec. 16, 1873; laid out as Brentwood street, Aug. 13, 1889. L 2150.
- Pearl-street place**, Chsn.; from 90 Pearl street, north-westerly, near Medford street; same in 1875.
- Pearl-street wharf**, B.; from Atlantic avenue, south-easterly, at the foot of Pearl street.
- Pearson's court**, Rox.; from Kemble street.
- Peck lane**, B., 1796; from Essex street to Johonnot's wharf; same in 1817; included in Oxford street in 1842.
- Peck's arch**, B., 1800; entrance of Savage's or Williams court from Cornhill (now Washington street).

- Peirse's alley**, B., 1708; from King (now State) street to Corn Market (now Faneuil Hall square), 1708; called Change alley, 1788; Fitch's alley, 1796; Peirce's alley, 1800; Pierce alley, 1817; Flagg alley, 1828; Change avenue, 1841.
- Pelham place**, B.; from Pelham street, near Shawmut avenue, north-east.
- *Pelham street**, B., 1868; from Washington street to Shawmut avenue; name of South Williams street changed to Pelham street, Jan. 4, 1868.
- Pelton street**, W. Rox.; from Park street, north-easterly, near Anawan avenue; same in 1874.
- Pemberton corner**, B.; corner Ann (now North) street and Swing Bridge lane (now Merchants' row), 1708.
- Pemberton Hill**, B.; that part of Common (now Tremont) street extending from its junction with Court street and Howard street; called Pemberton Hill, April 22, 1829; prior to 1835, south of Howard street and west of Tremont street between Somerset street and Tremont row.
- Pemberton Hill street**, B.; opposite Hanover street, 1839.
- *Pemberton square**, B., 1838; from Tremont street, westerly, then northerly and southerly, then westerly to Somerset street; part running north and south formerly with park in centre; called Phillips place or square from Tremont street, west, opposite Court street, 1835; name changed to Pemberton square, 1838; laid out, Oct. 16, 1877. L 1279, L 1876, L 1912.
- *Pemberton square**, B.; at the head of Cornhill contiguous to Court street and Tremont street; named Pemberton square, Feb. 19, 1838; same called Scollay square on account of naming Phillips square Pemberton square, June 25, 1838.
- Pemberton's corner**, B., 1708; corner Dock square and Wing's lane (now Elm street).
- Pembroke court**, B.; from Pembroke street, north-easterly, and then north-westerly and south-easterly; from Pembroke street, north, near Shawmut avenue, 1859.
- *Pembroke street**, B., 1834; from Shawmut avenue to Warren avenue; laid out on the Neck, July 24, 1826; named from Tremont street to Suffolk street (now Shawmut avenue), Sept. 15, 1834; accepted Dec. 7, 1857; accepted west of Tremont street, Dec. 21, 1859; laid out as a public street from Tremont street to Warren avenue, May 21, 1867; laid out between Columbus avenue and B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869; part west of Columbus avenue named Berwick park, Dec. 21, 1869. L 115, L 354, L 502, L 516.
- Pembroke street**, Bri.; from Tremont street, near Newton line to said line; now wholly in Newton on account of change in boundary line.
- *Penfield street**, W. Rox., 1892; from Brandon street to Birch street; Prospect street laid out as Penfield street, Sept. 23, 1892. L 2435.
- Penneman's corner**, B., 1708; corner of Marlboro' (now Washington) street and Summer street.
- Penryth street**, Rox.; from Pyncheon street (now Columbus avenue) to Centre street.
- People's Ferry avenue**, B., 1854; from Commercial street, opposite Battery street, to the North Ferry; later called North Ferry avenue; Battery street extended to include same, Aug. 3, 1880. L 207, L 1474.
- People's Ferry avenue**, E. B.; from Sumner street, opposite Border street, to North Ferry; Border street extended to include same, Aug. 3, 1880. L 207.

- Pepperell place**, So. B.; from Dorchester avenue, westerly, between West Fourth street and Division street.
- Pequot street**, Rox.; from Wait street to Calumet street.
- Perch street**, Rox.; from Pike street, north-east.
- Percival avenue**, Dor.; from Bowdoin street to Fox avenue (now street); formerly from Church (now Bowdoin) street to Fox avenue; laid out as Percival street, March 21, 1888.
- Percival court**, } E. B.; from Orleans street, near Maverick street,
Percival place, } north-westerly, then north-easterly.
- Percival square**, Dor., 1879; at junction of Bowdoin, Adams, and Church streets; laid out and named, April 7, 1879; named Eaton square, June 1, 1880.
- *Percival street**, Dor., 1888; from Bowdoin street, forming the south side of Eaton square, to Fox avenue (now street); Percival avenue laid out as Percival street, March 21, 1888. L 2060.
- Percy place**, Rox.; from Roxbury street, northerly, nearly opposite Putnam street.
- Percy street**, W. Rox.; from Anson street to St. Mark street, near Forest Hills station.
- Perham street**, W. Rox., 1874; from Baker street, crossing Mt. Vernon street, West Roxbury Branch R.R.; authority to open from south-east of Lasell street to Baker street, given by Street Commissioners, March 5, 1895.
- Perkins place**, Rox.; from Roxbury street southerly, next west of Guild row; shown as Perkins street on atlases.
- *Perkins street**, B., 1853; from Congress street to Pearl street; avenue for foot-passengers laid out from Atkinson (now Congress) street to Pearl street, nearly in line of continuation of Berry (now Channing) street, Jan. 30, 1826; passageway leading from between 67 and 69 Pearl street to Atkinson street named Perkins street, Sept. 12, 1853. Vol. 31, p. 88. L 911.
- *Perkins street**, Rox. and W. Rox., 1825; from Centre street at junction with Day street, to Brookline line; Connecticut lane laid out, Jan. 19, 1662; same laid out, 1762; named Perkins street, from Centre street by Leonard Hyde's to Brookline line by the pond, May 9, 1825; lines established, Nov. 28, 1848; altered, etc., at junction with Prince street, Sept. 27, 1871.
- Perkins street**, W. Rox.; from Canterbury street to Grew avenue.
- *Perkins street**, Chsn.; from Cambridge street to Somerville line, location of passageway reserved through Charlestown common altered and Perkins street laid out, running north-westerly from Cambridge road, May 6, 1822; laid out with present bounds, Oct. 25, 1852.
- Perkins-street court**, W. Rox.; from Perkins street, north, near and east of Prince street.
- Perraway's alley**, B.; a name of North Centre street prior to 1708; later called Paddy's alley.
- *Perrin street**, Rox.; from Moreland street to Waverly street; accepted, July 27, 1863.
- Perry court**, Rox.; from Hampden street; name changed to Hampden place, May 9, 1876.
- Perry place**, Chsn.; from Pleasant street, easterly.
- *Perry street**, B., 1853; from Washington street to Harrison avenue; laid out, Dec. 22, 1853; named, Dec. 29, 1853. Vol. 31, p. 98; Vol. 19, p. 126. L 4.
- Perry street**, Chsn.; from Decatur street; north-westerly; formerly from Chelsea street to and across Decatur street; part between

Chelsea street and Decatur street, laid out as Dupont street, Aug. 29, 1890. L 2258.

Perry's wharf, B.; from Lehigh street, south-easterly, adjoining Broadway.

Persia street, B., 1831; from Ann (now North) street to Fulton street; laid out and name changed to Ferry street, Aug. 1, 1842.

Perth street, Dor.; from Quincy street to Phipps avenue.

***Peterborough street**, Rox., 1896; from Audubon road to Audubon road; laid out, Nov. 16, 1896. L 2796, L 2606.

Peter Parley road, W. Rox.; from Forest Hills street to Walnut avenue; laid out as Peter Parley street, Aug. 28, 1891.

***Peter Parley street**, W. Rox., 1891; from Walnut avenue to Washington street; Peter Parley road, from Walnut avenue to Forest Hills street, laid out as Peter Parley street, Aug. 28, 1891; extension laid out from Forest Hills street to Washington street, Oct. 7, 1891. L 2332, L 2343.

Peters street, W. Rox.; from Neponset avenue, near Canterbury street.

***Peters street**, So. B., 1886; from East Seventh street to East Sixth street, near N street; laid out, July 31, 1886. L 1927.

Petrel street, W. Rox.; from Cottage avenue, opposite Shaw street, south-west.

Pevear court, Rox.; from Dudley street, south-westerly, opposite Winslow street; same called Pevear place and Pevear street.

Philip street, Dor.; from Taylor street, south-east to Milton Branch Railroad.

Phillips buildings, B., 1817; on Kilby and Water streets.

Phillips corner, B., 1732; corner of Cornhill (now Washington street) and Water street.

Phillips court, B., 1843; south-west from Leverett street, between Spring street and Ashland street, with two unnamed openings into Leverett street; one of the openings called Leverett avenue, 1859.

Phillips court, B., 1866; from Phillips street, southerly, between Grove street and West Cedar street; called Southac court, 1826; named Phillips court, 1866; on all recent atlases Southac court and Phillips court both appear.

Phillips place, B., 1829; from Tremont street, west, next north of Beacon street; called Tremont place, 1805; named Phillips place, 1829; now built over.

Phillips place or square, B., 1835; from Tremont street, west, opposite Court street; named Pemberton square, 1838.

Phillips place, So. B.; from West Fourth street, near and west of Dorchester avenue.

Phillips place, Dor.; from Dudley street, north-easterly, near and west of Belden street.

***Phillips square**, B.; junction of Harrison avenue, Essex street and Chauncey street; named, April 4, 1894.

***Phillips street**, B., 1866; from Irving street to West Cedar street; called Southac street, 1729; named Phillips street, Feb. 6, 1866. L 763.

***Phillips street**, Rox.; from Tremont street to Ward street; laid out from Tremont street to Smith street, July 24, 1879; laid out from Smith street to Ward street, July 3, 1883. L 1370, L 1687, L 1713, L 2038.

Phipps avenue, Rox. and Dor.; from Blue Hill avenue to Cedar (now Mascoma) street; also called Phipps street.

Phipps corner, B., 1708; corner of Salem street and Charles street.

- Phipps lane**, Chsn.; from Main street to Old Burying Ground; same as Phipps street.
- Phipps place**, B., 1835; from Charter street, south-westerly, towards Hull street, nearly opposite Foster street.
- Phipps street**, Rox. and Dor.; from Blue Hill avenue to Mascoma street; also called Phipps avenue.
- ***Phipps street**, Chsn.; from Main street, south-westerly, to Old Burying Ground; laid out, Oct. 17, 1839; accepted by Town, Nov. 11, 1839; called also Phipps lane.
- Phoenix place**, B., 1840; from Stillman street to Cooper street; closed.
- Phoenix place**, Rox.; from 75 Hampden street, westerly; now built over.
- Pickering avenue**, } Rox.; from Walnut avenue, southeasterly, be-
Pickering place, } tween Rockland street and Dale street.
- Pickering place**, B.; from Rowe street, west, 1847-48; can not be now identified.
- Pickering place**, So. B.; from East Fifth street, southerly, between L street and M street.
- ***Piedmont street**, B., 1824; from Pleasant street to Ferdinand street; from Pleasant street to the water, 1824; extended to Ferdinand street, 1868; laid out, Sept. 25, 1868. L 393, L 394, L 396.
- †**Pierce avenue**, Dor.; from Adams street, north-easterly, crossing Plain street towards Neponset avenue; laid out in part (probably between Newhall street and Plain street), March 1, 1869. L 711.
- Pierce place**, Dor.; from Hancock street, south-westerly, opposite Jerome street.
- ***Pierce square**, Dor., 1897; the open space at the junction of Adams street, Washington street and Dorchester avenue; named Jan. 18, 1897.
- Pierce's or Peirse's alley**, B.; now Change avenue; see Peirse's alley.
- Pierpont street**, Rox.; from Prentiss street to Station street, parallel with B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Oct. 10, 1892; discontinued, Jan. 4, 1895. L 2440, L 2685, L 2686.
- Pike alley**, B., 1845; from Poplar street, south-westerly, north-westerly, then north-easterly, by two openings into Poplar street again; rear of the south side of Poplar street, near Chambers street; opening near Spring street now called Farwell avenue.
- Pike street**, Rox.; from Albany street to Fellows street.
- Pilgrim place**, Dor.; from Richfield street, north-easterly, between Columbia street and Norton street.
- Pilgrim street**, Rox.; from Punch Bowl road (now Brookline avenue) to Longwood creek and that portion of bridge over creek within Roxbury limits near Oakland place; money borrowed to build, Sept. 7, 1857; included in Longwood avenue as laid out by County Commissioners, June, 1857.
- Pinckney lane**, B., 1835; from Pinckney street to Mt. Vernon street; named Mt. Vernon avenue, 1846.
- ***Pinckney street**, B., 1803; from Joy street to Charles river; from Belknap (now Joy) street to Charles street, 1803; confirmed as a public street, Sept. 15, 1834; extended west of Charles street, Oct. 31, 1865. L 304, L 346.
- Pine Grove terrace**, Rox.; from 261 Heath street.
- Pine Island**, Rox.; north-east of Swett street at Roxbury Point.
- Pine place**, B., 1844; from Pine street to Oak place; closed.
- ***Pine street**, B., 1822; from Washington street to Harrison avenue; lines established, May 31, 1802; named Pine street, March 13, 1822; established as a public street of city, May 25, 1840. L 433.

- Pine street**, W. Rox.; from Albion (now Sycamore) street to Brown avenue, 1874; laid out, from Brown avenue to Sherwood street, with name of Ridge street, April 9, 1888, and from Sherwood street to Sycamore street, Oct. 3, 1891. L 2064.
- Pine street**, Chsn.; from Bunker Hill street to Bainbridge street; same in 1875. L 2738.
- Pitt's corner**, B., 1732; corner Ann (now Commercial) street and Fish market (now North Market street).
- Pitts alley**, B.; from Pitts street, north-westerly; sometimes called Pitts place.
- Pitts court**, B., 1820; from Pitts street, north-westerly, near Green street.
- Pitts lane**, B., 1733; from Green street to the Mill-pond; named by Selectmen in 1788; named Pitts street, 1820.
- Pitts place**, } B., 1833; from Pitts street, north-westerly, near
Pitts-street place, } South Margin street.
- *Pitts street**, B., 1820; from Green street to Merrimac street; Pitts lane, from Green street to the Mill-pond, 1733; filling begun, Sept. 30, 1807; named Pitts street, 1820. L 11.
- *Plain street**, Dor.; from Chickatawbut street to Pierce avenue; laid out as Snow's court, June 5, 1867; located from Chickatawbut street to Pierce avenue, March 2, 1868. L 711.
- Plainfield street**, W. Rox.; from Williams street, south-westerly, to beyond Keyes street.
- Plant avenue**, Rox., 1896; from Parker street to Bickford street, near Centre street; authority to open given by Street Commissioners, Aug. 5, 1896.
- Platt's corner**, B., 1708; at the southerly end of Union street.
- Pleasant place**, B.; from Mahan place, southerly, and by two exits, westerly, into Pleasant street; see Pleasant-street place.
- Pleasant place**, Dor.; from Savin Hill avenue, north, near and west of Dorchester avenue.
- Pleasant place**, So. B.; from East Seventh street, south, between L street and M street; formerly called Mechanics place.
- *Pleasant street**, B., 1743; from Washington street, opposite Broadway, to Park square; from Orange (now Washington) street, north-westerly, to the Common, 1743; laid out by George Tilley on his own land; accepted and recorded as a town street, May 5, 1773; from Orange street by the South Writing School, through what was called Tilley's land to the bottom of the Common and to Frog lane (now Boylston street), 1788; altered between Providence street and Boylston street, May 13, 1850. Vol. 31, p. 80, vol. 19, p. 96. L 47, L 387, L 391, L 392, L 393, L 394, L 475, L 548, L 549, L 565, L 590, L 613, L 724, L 726, L 878, L 1309, L 1448.
- Pleasant street**, Dor.; from South street to Union street, at Commercial Point.
- *Pleasant street**, Dor., 1840; from Freeport street to East Cottage street at Town Meeting square; street from Stoughton Hall over the plain to Downer's, named Pleasant street, March 11, 1840. L 708, L 709, L 710, L 777, L 778, L 1502.
- Pleasant street**, W. Rox.; from Montgomery street to Webster street, near and parallel with Spring street; same in 1874.
- Pleasant street**, W. Rox.; from Mt. Vernon street to Dent street, near and parallel with West Roxbury Branch R.R.; same in 1874.
- *Pleasant street**, Chsn.; from Main street to High street at Monument square; part of conveyed to Town, May 7, 1793; accepted from Back (now Warren) street to High street, June 6, 1823. L 1005.

- Pleasant street**, Chsn., 1819; from Summer street to Bunker Hill street; conveyed to Town by Oliver Holden, July 17, 1819, as Pleasant street; called North Pleasant street when name was changed to Pearl street, July 7, 1845.
- Pleasant street**, Bri.; from Franklin street to Everett street; laid out by Selectmen, Dec. 16, 1873; laid out as Holton street, Aug. 2, 1887. L 2007.
- Pleasant-street court**, B.; from Pleasant street, near Shawmut avenue, north-easterly.
- Pleasant-street court**, B., 1829; from Pleasant street to Church street; name changed to Berlin street, 1857; Tennyson street extended through Berlin street, 1869.
- Pleasant-street court**, Chsn.; from Pleasant street, north-easterly; same in 1875.
- Pleasant-street place**, B., 1846; from Pleasant street, east; northerly end called Pleasant place.
- Plover street**, W. Rox.; from Cottage avenue, near Sparrow street, south-west.
- Plummer place**, So. B.; from Middle street, south-easterly, towards Alger street.
- Plymouth court**, Rox.; from 979 Harrison avenue, north-westerly, near Hunneman street; same given as Hunneman court on atlas, 1884.
- Plymouth place**, B., 1825; from Front street (now Harrison avenue), west, to Newton place; laid out with Newton place as Knapp street, May 14, 1879. L 1351.
- Plymouth street**, B., 1800; from Summer street to Short lane or street (now Kingston street), 1800; laid out and made, from Summer street to Pond (now Bedford) street, and accepted by Town and named Plymouth street, May 13, 1800; called Kingston street at same date and since.
- Plymouth street**, B. and Rox., 1825; from Northampton street to Roxbury line, 1825; laid out from Eustis street to Boston line to meet Plymouth street, there, and accepted by Town, Dec. 16, 1833; part in Boston accepted and name changed to Harrison avenue, Aug. 9, 1859; no record of change of name of part in Roxbury.
- Plymouth street**, So. B.; name changed to Preble street, Aug. 7, 1855; (Preble street from Dorchester avenue to Liberty street and later extended to Vinton street).
- *Plymouth street**, Rox.; from Longwood avenue to Bernier street; laid out, June 22, 1894. L 2600.
- Plymouth street**, Dor.; from Freeport (formerly Commercial) street to Neponset street; formerly from Commercial street to Pleasant street at Commercial Point.
- Plympton court**, B., 1844; from Lenox street, south, near Shawmut avenue; laid out from Lenox street to Sawyer street, with name of Parnell street, Sept. 8, 1880. L 1489.
- *Plympton street**, B., 1849; from Harrison avenue to Albany street; named from Harrison avenue to a dock in South bay, May 14, 1849; accepted Oct. 30, 1860.
- Point Shirley**, B.; formerly a part of Boston and anciently called Pullen point; see Suffolk Deeds 48-136, Feb. 22, 1733.
- *Polk street**, Chsn.; from Bunker Hill street to Medford street; laid out and accepted, July 2, 1867.
- Pollard's corner**, B., 1708; corner of Brattle street and Hillier's lane (now Brattle street).
- †Pomeroy street**, Bri., 1887; from Gordon street to west of Saunders

street; Orchard street, from Gordon street to Saunders street, laid out as Pomeroy street, June 9, 1887. L 1994.

Pomfret street, W. Rox.; from Corey street to Maple street.

Pond avenue, W. Rox.; from Chestnut street to Brookline line; laid out by County Commissioners, from Perkins street passing over a part of Chestnut street, through Brookline to Mill-dam or Punch Bowl road in Roxbury, November, 1867; part now called Chestnut street and part now in Riverway.

Pond place, B.; from Endicott street, easterly, north of Cooper street; from Pond (now Endicott) street, 1833; called Endicott-street place, 1837-42.

Pond street, B., 1708; from Newbury (now Washington) street to Blind (sometimes called Pond) lane, 1708; extended to Summer street, including Blind lane, 1803; name changed to Bedford street, Feb. 7, 1821.

Pond street, B., 1814; from junction Hanover street and Salem street to Charlestown bridge; called Mill lane, from Middle (now Hanover) street to the Mills, 1805; laid out May 26, 1806; laid out over the Mill-pond, Aug. 3, 1807; called Mill-pond street, from Mill lane to Prince street, 1807; lands exchanged for building (Pond street), 1808; from Hanover street to Charlestown bridge, 1814; altered in northerly part, 1828; name changed to Endicott street, June 13, 1836.

***Pond street**, Dor.; from Dorchesterway to East Cottage street; formerly from Boston street to Dorchester avenue; named from Five corners (now Edward Everett square) by the Great pond, to Mr. Moseley's, March 11, 1840; located, etc., Feb. 8, 1847; part between Pleasant street and Dorchester avenue changed to East Cottage street, March 1, 1893; part near Boston street taken into Dorchesterway. L 815, L 2533.

***Pond street**, W. Rox., 1825; from Centre street to Brookline line; named by Town, May 9, 1825; probably a public highway some time previous; County road from Roxbury to Brookline; altered, etc., April, 1838, and September, 1839. L 1062.

Pond-street place, B., 1833; from Endicott street, east, near and north of Cooper street; from Pond (now Endicott) street, 1833; called Endicott-street place, 1837-42; now Pond place or Pond-street place.

Ponemah street, Dor., 1895; from Blue Hill avenue, north-westerly; authority to open given by Street Commissioners, March 26, 1895.

Pontiac street, Rox.; from Alleghany street to Hillside street; authority to open given by Street Commissioners, April 12, 1894.

***Pontine street**, Dor.; from Norfolk avenue to Clifton street, laid out from Norfolk avenue to Batchelder street, Dec. 30, 1893; laid out from Batchelder street to Clifton street, Jan. 2, 1897. L 2582, L 2804.

Pope court, } E. B.; from Pope street to railroad, near and
Pope-street court, } north-east of Curtis street.

†**Pope street**, E. B.; from junction Saratoga street and Swift street to Addison street; accepted at junction of Pope street and Saratoga street, Nov. 1, 1858; accepted between Saratoga street and Moore street, Dec. 10, 1861.

***Pope's Hill street**, Dor., 1882; from Neponset avenue to Commercial (now Freeport) street; Clay street laid out as Pope's Hill street, Dec. 8, 1882. L 1669.

Pope's wharf, B.; from Albany street, easterly, near and north of Dover street.

Poplar avenue, B., 1859; from Poplar street, northerly, between Auburn street and Charles street; called also Auburn avenue; included in Auburn street, Sept. 1, 1879.

- Poplar avenue, B.;** from Poplar street, northerly, between Auburn street and Charles street.
- Poplar court, B.;** from Poplar street, south-westerly, into Spring-street court; from Poplar street, southerly, near Kennard street, 1844.
- Poplar place, B.;** from Poplar street, north-easterly, near and east of Spring street; same in 1840.
- *Poplar street, B., 1800;** from Chambers street to Charles street; new street west of Jeffrie and Russell's ropewalk, from Wiltshire (now Chambers) street to the water, named Poplar street, Feb. 12, 1800; to Brighton street, 1820; from Chambers street to North Charles street, 1859. L 2765.
- *Poplar street, W. Rox., 1825;** from South street to Hyde Park line; named from South street, near Taft's across the turnpike, by Noah Davis' to Clapboard Hill, May 9, 1825 (from South street to Beech street); probably laid out as a highway some time previous; laid out by John Whittemore's land, near the Red Gate in line of old cart-path, to near Joseph Bailey's barn, Dorchester, at road from Lower Mills to Dedham, December, 1835; part between junction of Canterbury street and Beech street known as Sowden's Hill, 1859. L 2405, L 2570, L 2580.
- Porcelain place, B.;** from Poplar street, south-west, between Charles street and Brighton street; same in 1866.
- Porter place, E. B.;** from 134 Porter street, between Chelsea street and Bremen street.
- *Porter street, B., 1838;** from Pleasant street, to Indiana place (now Corning street); from Pleasant street, west, 1838; to Indiana place, 1853; extended to Indiana place Dec. 1, 1857; accepted, Aug. 28, 1861. L 120, L 122½, L 548, L 724, L 838.
- *Porter street, E. B.;** from Central square to Bremen street, with proposed extension to (proposed) Front street; accepted, from Central square to Chelsea street, June 3, 1856; accepted from Chelsea street to Bremen street, Sept. 17, 1857; extended through land of Boston & Worcester (now B. & A.) R.R. Co., Dec. 1, 1857.
- *Porter street, Rox., 1866;** from Highland street to Lambert avenue; accepted and named, Oct. 29, 1866; name changed to Millmont street, April 21, 1868.
- *Porter street, W. Rox.;** from Boylston avenue, southerly, to Bismarck street; laid out from Boylston avenue, Dec. 13, 1876; extension to Bismarck street laid out, June 16, 1892. L 1207, L 2403.
- Portland place, B., 1820;** from Portland street, north-easterly, between Hanover street and Sudbury street; now built over.
- *Portland street, B., 1807;** from Hanover street to Causeway street; called Cold or Cole lane, from Hanover street to the Mill-pond, 1708; laid out and called Portland street, 1807; continued into the Mill-pond, Aug. 3, 1807; laid out across the Mill-pond to Causeway street, 1807. L 48, L 232, L 351, L 668, L 669, L 670, L 671, L 766, L 767, L 989, L 1602, L 1603, L 1604.
- *Portland street, B., 1842;** from State street to Chatham street; Chatham row laid out near the head of Long wharf, May 9, 1827; called Portland street, 1842; renamed Chatham row, July 3, 1848.
- *Portsmouth street, Bri.;** from Lincoln street to Waverley street; laid out, Nov. 2, 1893. L 2542.
- †Posen street, Rox.;** from Minden street, south-easterly, crossing Arklow street, also from Posen street, easterly, parallel with Minden street; part of Heath place laid out, from Minden street to Arklow street, with name of Posen street, Nov. 16, 1881. L 1568.

- Post Office avenue**, B., 1849; from Congress street, easterly, between State street and Exchange place; called Congress court, 1826; named Post Office avenue, 1849.
- *Post Office square**, B., 1874; at junction of Congress, Pearl, Milk, Bath, and Water streets; parcel of land between proposed extension of Pearl street, Congress street and Milk street laid out as a public street, April 18, 1873; area included between Water, Milk, Congress, and Pearl streets named Post Office square, Dec. 28, 1874. L 87, L 846, L 1441.
- Potomac street**, W. Rox., 1896; from Mt. Vernon street to Yorktown street; authority to open given by Street Commissioners, Oct. 19, 1896.
- *Powell street**, W. Rox.; from Summer street at Spring-street station, parallel with railroad, to Cass street; laid out, Dec. 10, 1883. L 1749.
- †Power street**, So. B.; from Boston street to Dorchester avenue; portion laid out eastwardly from Boston street, Dec. 24, 1875. L 1072.
- Power's court**, B.; from North street, westerly, between Salutation street and Hanover avenue; same in 1825; called also Ann-street court, 1830; called Powers (or Powar's) court again, 1840; now Powers court.
- Powning's corner**, B., 1708; corner Dock square and Crooked (afterwards Wilson's) lane (now Devonshire street), 1708.
- Pratt court**, Rox.; from Weston street, south-westerly, near and west of Cabot street; also called Pratt's court.
- Pratt street**, Dor.; from Ballou avenue to Lauriat avenue.
- *Pratt street**, Bri.; from Linden street to Ashford street; given on chart 1875 as "street" from Linden street, easterly, towards B. & A. R.R., parallel with Ashford street; on chart of Boston, 1882, same called Pratt street; laid out from Linden street to Ashford street, May 9, 1887. L 1984.
- *Preble street**, So. B.; from Dorchester avenue, easterly, then north-easterly, to Vinton street at O. C. (now N. Y., N. H. & H.) R.R.; name of Plymouth street changed to Preble street, Aug. 7, 1855; laid out from Dorchester avenue to Rogers street, Oct. 22, 1879; portion from Vinton street laid out, Feb. 7, 1881; laid out east of Rogers street to connect with last named part, Oct. 22, 1890. L 1209, L 1397, L 1415, L 1516, L 1761.
- Prentice's corner**, B., 1800; corner of Dock square and Hillier's lane (now Brattle street).
- Prentice's wharf**, B.; from Atlantic avenue, south-easterly, near and south of Congress street; now built over.
- Prentiss place**, Rox.; from Linden-Park street, northerly, between Cabot street and Lamont street; formerly called Linden place.
- *Prentiss street**, Rox.; from Tremont street to Parker street; laid out, Dec. 30, 1869. L 507, L 508, L 2766.
- Presby place**, Rox.; from Winthrop street, north-easterly, near and west of Blue Hill avenue.
- Prescott place**, B., 1849; from Washington street, south-east, between East Lenox street and Thorndike street; named, May 14, 1849; Prescott place, from Washington street to Reed street, laid out and name changed to Newcomb street, Sept. 8, 1874. L 961.
- Prescott place**, Rox.; from Prescott street, north-westerly, between Eustis street and Hampden street.
- Prescott place**, Dor.; from Winter street to Church street.
- Prescott place**, Bri.; from Appianway, north-west.
- *Prescott square**, E. B., 1875; between Eagle, Trenton, and Prescott streets; named Nov. 23, 1875.

- †**Prescott street**, E. B.; from Eagle street to Boston, Revere Beach & Lynn R.R.; accepted from Chelsea street to Bremen street, Nov. 26, 1861; laid out from Trenton street to Eagle street, Sept. 27, 1873; authority to open part from near Orleans street to Boston, Revere Beach & Lynn R.R. given by Street Commissioners, April 21, 1893. L 896, L 897.
- ***Prescott street**, Rox.; from Eustis street, north-easterly, then easterly to Hampden street; laid out, May 16, 1873. L 857.
- ***Prescott street**, Chsn., 1836; from junction of Devens street and Harvard street to Washington street; name of Middlegate street changed to Prescott street, Dec. 5, 1836.
- Prescott-street avenue**, Chsn.; from Bow (now Devens) street to Prescott street; same given, but unnamed in 1884.
- Preston court**, Dor.; from Gibson street, northerly, to Tenean creek, between Adams street and Brook street.
- ***Preston street**, Dor.; from Mills street to Freeport street; formerly from Mills street to Pleasant street; from Mill street to Commercial (now Freeport) street located, March 20, 1861; from Freeport street to Pleasant street now called South street. L 1857.
- Price avenue**, Dor.; (proposed) from Blue Hill avenue to Franklin Field.
- Primus avenue**, B., 1871; from Phillips street, southerly, near and east of West Cedar street; called Wilberforce place, 1843; named Primus avenue, 1871.
- ***Prince street**, B., 1708; from North square to Causeway street, opposite Charles River bridge; called Black Horse lane from Middle (now Hanover) street to Charlestown Ferry, 1698; highway laid out at lower end of Black Horse lane, Jan. 25, 1702; from Middle street to the salt water at the Ferry-way called Prince street, 1708; highway at lower end of Black Horse lane, now Prince street, widened and continued to low-water mark, March 2, 1721; commonly called Blackhorse lane in 1800; extended from Hanover street to North square, including parts of Bell alley and Garden-court street, July 11, 1833. L 151, L 2719, L 2764.
- Prince street**, B.; Lyman street, so called prior to 1812.
- ***Prince street**, W. Rox., 1855; from Pond street to Perkins street; laid out from road to Jamaica Plain Meeting-house to road from Roxbury through Brookline, September, 1828; called Cottage street on map, 1849; name of Cottage street changed to Prince street, April 2, 1855; altered, etc., at junction with Perkins street, near Jamaica pond, Sept. 27, 1871.
- Prince-street avenue**, B., 1833; from North Bennet street to Prince street; called School alley, 1732; Grammar alley, 1795; named Prince-street avenue, 1833; name changed to Bennet avenue, 1839.
- Princeton place**, E. B.; from Princeton street, south-easterly, between Prescott street and Putnam street.
- ***Princeton street**, E. B.; from Meridian street to Eagle square; accepted and laid out, Aug. 2, 1852, accepted and laid out, Dec. 18, 1855; accepted at junction Princeton street and Chelsea street, Nov. 1, 1858. L 93.
- ***Princeton street**, Chsn.; from Lexington street to Tufts street; part of Tufts street leading from and running at right angles with Lexington street called Princeton street, Oct. 6, 1851; laid out as a public way, July 13, 1863.
- Princeton-street court**, Chsn.; from Princeton street; extended to Medford street and laid out as Stone street, June 13, 1871.
- Prior place**, Dor.; from Richfield street north-west; now called Richfield park.

- Prison lane**, B., 1722; from Queen (now Court) street, south; probably the present east entrance of Court square.
- Proctor court**, Dor.; from Franklin court, northerly, between Massachusetts avenue and Norfolk avenue.
- Proctor street**, W. Rox.; from Fairview street to Walter street.
- ***Proctor street**, Rox.; from Adams street to East (now Hampden) street; accepted, March 7, 1853; name changed to Eustis street, April 21, 1868.
- ***Proctor street**, Rox., 1886; from Massachusetts avenue to Norfolk avenue; laid out from East Chester Park (now Massachusetts avenue) to Norfolk avenue, July 17, 1886. L 1922.
- Proctor's lane**, B., 1789; from Middle (now Hanover) street to Fish (now North) street; called Wood lane, 1708; named Proctor's lane, 1789; dock at bottom of Proctor's lane filled up, the Town to continue the passageway always open as any other public street, May 1, 1799; Richmond street extended through it, July 6, 1824.
- Procyon place**, Rox.; from Greenwich street, south-west.
- Proprietor's way**, Bri., 1814; from Washington street to South street; Seaver lane, 1842; later named Foster street.
- ***Prospect avenue**, W. Rox.; from Sycamore (formerly Albion) street to Brown avenue; laid out from Brown avenue to Sheldon street, Nov. 23, 1878; and from Sheldon street to Sycamore street, Oct. 13, 1891. L 1335, L 2347.
- Prospect avenue**, } Chsn., from Prospect street, easterly, near Chelsea
Prospect place, } street.
- Prospect court**, B.; from South Margin street, near Prospect street, 1849.
- Prospect lane**, B.; now Prospect street.
- ***Prospect street**, B.; from Merrimac street to Lyman street; from Leverett place (now Lyman street) to the Mill-pond, 1812; afterwards to Merrimac street; formerly called Prospect lane; accepted, conditionally, Sept. 10, 1827.
- Prospect street**, Rox.; from Parker street to High street (now Parker Hill avenue), 1849; name changed to Fisher avenue, April 21, 1868 (Fisher avenue from Parker street to Parker Hill avenue.)
- Prospect street**, Dor.; from Norfolk street to Milton avenue; laid out, as Edson street, Sept. 6, 1888. L 2091.
- Prospect street**, W. Rox.; from Charles street, north-easterly, to B. & P. (now N. Y., N. H. & H.) R.R., then north-westerly to Spring street.
- Prospect street**, W. Rox., 1878; from Brown avenue to Sheldon street; laid out as Prospect avenue, Nov. 23, 1878. L 1335.
- Prospect street**, W. Rox.; from Maple (now Birch) street to Brandon street; given on chart, 1884, as part of Birch street; laid out as Penfield street, Sept. 23, 1892.
- ***Prospect street**, Chsn.; from Chelsea street to Tremont street; laid out and accepted, Aug. 18, 1869; part of discontinued and new street laid out, April 12, 1870.
- Prospect street**, Bri.; Allston street laid out from North Beacon street (now Brighton avenue) to junction with a street formerly called Prospect street, near house of T. F. Frobisher, June, 1870.
- ***Providence street**, B., 1846; from Columbus avenue at Park square to Clarendon street; the flats deeded to City by Boston and Roxbury Mill Corporation, November, 1826; old way discontinued, April 27, 1846; new street east of the empty basin south of extension of Boylston street and north of depot of B. & P. (now N. Y., N. H. & H.) R.R., named Providence street, May 4, 1846; extended from the bend opposite Arlington street to Berkeley street, over land of Bos-

ton Water Power Co. and B. & P. R.R. Co., May 9, 1865; from Church street to Berkeley street discontinued, Dec. 10, 1866, and reconsidered, Dec. 13, 1866; part from Berkeley street to Clarendon street laid out, Oct. 22, 1885. L 287, L 328, L 746, L 1893, L 2456.

Province court or } B.; from Province street, easterly, towards
Province House court, } Washington street, then southerly, crossing
 end of Ordway place; from Washington street through the arch-
 way in front of the so called Old Province House, to Province street,
 1825.

Province House row, B. 1817; in Marlboro' (now Washington) street, in front of Old Province House; named and numbered, Oct. 8, 1817; so to avoid renumbering street.

***Province street,** B., 1833; from School street to Bromfield street; called Governor's alley, 1732; named Montgomery street, 1833; name of Governor's alley changed to Province street, June 10, 1833; same confirmed as a public way, Sept. 15, 1834. Vol. 31, p. 73. L 88, L 288, L 1601.

Public Garden, B.; between Charles, Boylston, Arlington and Beacon streets; the west side of Charles street, between Beacon street and Boylston street, 1837. L 171.

Pudding lane, B., 1708; from King (now State) street to Water street, "Pudden lane" after the fire enlarged into a street named Devonshire street, April 20, 1766.

Pulaski avenue, So. B.; from Athens street to West Third street, between F street and Dorchester street.

Pulling's corner, B., 1784; corner of Ann (now North) street and Cross street.

Pullen point, B.; old name for Point Shirley (see Suffolk Deeds, 48-136, Feb. 22, 1733).

Purchase place, B., 1827; from Purchase street, north, between Pearl street and Gibb's lane (now Oliver street); included in Hartford street, July 23, 1869. L 464.

***Purchase street,** B., 1747; from Broad street, at its junction with High street to Summer street, called Belcher's lane, 1708; from Summer street to Tilley's lane (now Gridley street), 1747; from Summer street to Batterymarch (now Broad) street, 1800; from Summer street to India wharf, 1817. Vol. 31, pp. 5, 67. vol. 19, p. 70, L 2, L 82, L. 327, L 464, L 466, L 468 L 469, L 470, L 471, L 821, L 922.

Puritan avenue, Dor.; from Richfield street, south-westerly.,

Putnam place, Rox.; from Roxbury street, south-westerly, then westerly, to Putnam street; name of Suffolk place changed to Putnam place, May 31, 1870 (same part given as Suffolk place on recent chart).

***Putnam square,** E. B., 1875; between White, Trenton and Putnam streets, Nov. 1, 1858; named, Nov. 23, 1875.

†**Putnam street,** E. B.; from Condor street to Bremen street, with proposed extension to (proposed) Front street; accepted from Condor street to Chelsea street, 1856; accepted from Chelsea street to Bremen street, 1861. L 676.

***Putnam street,** Rox.; from Roxbury street to Dudley street; accepted, Oct. 7, 1850, and March 3, 1851.

***Putnam street,** Chsn.; from Henley street to Common street; accepted, from turnpike (now Chelsea street) to houses of Robbins and Tapley, near Training Field, May 6, 1822.

Putnam street, Bri., 1875 (proposed); from Griggs street at Massachusetts (now Commonwealth) avenue, south-westerly, towards Warren street.

- *Pynchon street**, Rox., 1868; from Tremont street to junction Heath street and Centre street; laid out as Lowell street from road near Guy Carleton's Factory in southerly direction to old Boston & Providence railroad near Hog bridge, September, 1833; name of Lowell street changed to Pynchon street, April 21, 1868; all of Pynchon street included in Columbus avenue, Jan. 4, 1895. L 768, L 1157.
- *Q street**, So. B.; from harbor near East Second street to harbor south of East Sixth street, with proposed extension of to East First street; laid out and named from salt water on the south to Harbor of Boston on the north, Feb. 27, 1805; laid out from low-water mark north of First (now East First) street to harbor line in Dorchester Bay, Nov. 17, 1868; part south of East Sixth street now included in Marine Park. L 156, L 1446, L 1868, L 2057, L 2058, L 2135.
- Quaker lane**, B., 1708; from King (now State) street to Water street; called also Leveret's lane; with Dalton street named Congress street, Jan. 22, 1800.
- Queen street**, B., 1708; from Cornhill (now Washington street), opposite State street, to Hanover street; name changed to Court street, 1784.
- Queen street**, Dor.; from King street, south, between Neponset avenue and Train street.
- Queensberry street**, Rox., 1897; from Audubon road to Audubon road.
- Quiet place**, B., 1849; from Purchase street to Broad street (now Atlantic avenue), near Belmont (now Oliver) street; called Ingersoll place, 1847; built over prior to 1879.
- Quincefield street**, Dor., 1895; from Humphreys street, south-west, to Humphreys square; authority to open given by Street Commissioners, Nov. 14, 1895.
- Quincy court**, B.; from North street, south-easterly, near Richmond street; same in 1857; called on map, Quincy street.
- Quincy lane**, B., 1822; from Broad street to Hamilton street; called Hamilton avenue in 1823; closed in 1836.
- Quincy place**, B., 1812; from High street, north, near Washington (now Fort Hill) square; laid out and extended to Pearl place (now Wendell street), Dec. 15, 1873; name changed to Hartford street, being a continuation of the same. Feb. 28, 1882. L 836.
- Quincy place**, Rox.; from Quincy street, southerly, opposite Tupelo street.
- Quincy place**, Chsn.; from Quincy street, north-westerly, near Medford street.
- Quincy row**, B.; from Clinton street to South Market street; laid out, with name of Mercantile street, Dec. 19, 1879.
- Quincy street**, B.; from North street, south-easterly, near Richmond street; same called Quincy court in Directory and Records.
- Quincy street**, So. B.; name changed to Bowen street, April 21, 1868.
- *Quincy street**, Rox. and Dor.; from Warren street to Bowdoin street; part in Roxbury, from Warren street to Grove Hall (now Blue Hill) avenue, laid out as South Dennis street, Jan. 19, 1662; confirmed, May 17, 1697; named Quincy street, Oct. 13, 1856; part in Dorchester closed by Selectmen, March 1, 1865; extended from Columbia street to Bellevue street, Nov. 15, 1870; laid out from Blue Hill avenue to Columbia street, Sept. 29, 1871; name of that part of Bellevue street, which was a continuation of Quincy street to Bowdoin street, changed to Quincy street, March 1, 1886. L 577, L 652, L 694, L 695, L 696, L 731, L 795, L 1558, L 1692.

- Quincy street**, Chsn.; from Bunker Hill street to Medford street; same in 1875; laid out under the name of St. Martin street, May 11, 1896. L 2762.
- Quint avenue**, Bri.; from Brighton avenue, south-west, near Allston street.
- Radcliffe road**, Dor.; from Randolph road, south-west, to Hyde Park line.
- Railroad avenue**, W. Rox.; from the end of Willow street, south-west-erly, between Centre street and the railroad, near Highland station.
- Railroad street**, W. Rox.; from Willow street to Highland station; same as Railroad avenue.
- Rainsford street**, B.; Rainsford's lane so called in City Records, July 6, 1824, when made a part of Front street (now Harrison avenue).
- Rainsford's corner**, B.; corner of Charter street and North street, 1708; called Rainsford's corner, 1732.
- *Raleigh street**, Rox.; from Beacon street to near Charles River; laid out, Nov. 11, 1890. L 2271.
- Raleigh street**, Dor.; from Glenway street to Greenwood street; authority to open given by Street Commissioners, March 28, 1893.
- Ramsey street**, Dor.; from Dudley street to Hamlet street, at Upham's corner.
- Ramsey place**, Dor.; from Ramsey street, north-west.
- Rand place**, Rox.; from Rand street, east, nearly opposite Fairbury street.
- Rand square**, Rox.; from Rand (the part now Julian) street, easterly; now a part of Julian street.
- †**Rand street**, Rox.; from Julian street to Brookford street; formerly from Blue Hill avenue, nearly opposite Clifford street, easterly, southerly, south-westerly, to Brookford street; name of Bismarck street, from Blue Hill avenue, changed to Rand street, Dec. 30, 1871; laid out about 340 feet easterly from Blue Hill avenue, March 27, 1882; name changed to Julian street, March 1, 1892; part from Blue Hill avenue, opposite Woodbine street, easterly, laid out as part of Brookford street, July 6, 1883. L 1591, L 1715.
- Rand street**, W. Rox.; from Gardner street, south-west, to beyond Whiting street.
- Randall street**, Rox.; from Harrison avenue to Fellows street. L 1491.
- Randlett place**, Rox.; from Brookford (formerly Rand) street, south-erly.
- Randolph road**, Dor.; from River street to Oakland street, nearly parallel with Hyde Park line; formerly Bird lane; authority to open given by Street Commissioners, April 16, 1896.
- *Randolph street**, B.; from Harrison avenue to Albany street; same in 1870; laid out, Feb. 14, 1884. L 1756.
- Randolph terrace**, Dor.; from Beale street to Van Winkle street; near Shawmut Branch R.R.
- Ransford's lane**, B., 1708; from Essex street to Beach street, and so down to the sea, 1708; Rainsford's lane, from Essex street to Beach street, 1800; Rainsford street included in Front street (now Harrison avenue), July 6, 1824.
- Ransom court**, B.; from Cotting street, south-easterly; same in 1859; called Ransom street on plan.
- Ransom road**, Dor.; from Randolph road, south-west, to Hyde Park line.
- Rasford's corner**, B.; corner Essex street and Ransford's lane (now Harrison avenue), 1708.

- Ravenswood park**, W. Rox.; from Glen road, south-westerly, near Walnut avenue, 1853; now in Franklin Park.
- Ravine lane**, Bri.; from Englewood avenue to Roxbury avenue (now Sutherland road); afterward Elm street; now part of Strathmore road.
- *Rawson street**, So. B.; from Boston street to Dorchester avenue; formerly Jackson street; laid out, Dec. 29, 1892. L 2484.
- Rawson's lane**, B.; from Marlborough (now Washington) street to the Common, 1708; from Marlborough street to Common (now Tremont) street, 1732; called Bromfield's lane, 1796; named Bromfield street, Nov. 10, 1828.
- *Ray street**, Rox.; from Regent street, north-westerly, then north-easterly, crossing Hulbert street; laid out from Regent street to Hulbert street, Nov. 6, 1882; same called Roy street in 1884. L 1663.
- Raymond street**, Rox.; from Lamartine street to Gilbert street (now Chestnut avenue); now a part of Mozart street.
- *Raymond street**, Bri.; from Franklin street to Everett street; formerly Vernon street; laid out, July 29, 1834. L 1796.
- Raymond street**, W. Rox.; from south-east of Dunbar street to Joy street near Brookline line.
- Raymond's corner**, B.; corner Orange (now Washington) street and Frog lane (now Boylston street), 1800.
- Read street**, Dor.; from Glenway street to McLellan street; called Read avenue on plan, 1884.
- *Reading street**, Rox.; from Kemble street to Swett street; name of Reed street changed to Reading street, July 28, 1874; called Reed street on plan, 1884; laid out from Kemble street to Swett street, June 23, 1891. L 2304.
- Reed court**, B.; from East Newton street to East Brookline street.
- *Reed street**, B. and Rox.; from Northampton street to Hunneman street; from Northampton street to Roxbury line, 1855; laid out from Northampton street to south-westerly line of Thorndike street extended, Sept. 8, 1874; portion discontinued, Sept. 23, 1875; laid out from Thorndike street to Hunneman street May 29, 1896. L 959, L 960, L 1078, L 2769.
- Reed street**, Rox.; from Kemble street to Swett street; shown on map, 1849; from Island street to Swett street; name changed to Reading street, July 28, 1874; a portion of Kemble street from Reading street to Hampden street was once called Reed street.
- Reed terrace**, B.; from Reed street, nearly opposite Flag street, south-east.
- *Reed's court**, Rox.; from Yeoman street to Ambrose street; from Yeoman street, southwesterly, 1873; laid out and extended to Har-topp place (now Ambrose street), Feb. 25, 1875. L 1023.
- *Reedsdale street**, Bri.; from Brighton avenue to Linden street, at Commonwealth avenue; laid out, Aug. 13, 1886. L 1928.
- Regent court**, Rox.; from Circuit street, north-westerly.
- Regent place**, Rox.; from Regent street, north-westerly.
- Regent road**, Dor.; from Oakland street to Randolph road; authority to open given by Street Commissioners, April 16, 1896.
- Regent square**, Rox.; from Regent street, south-easterly, between Circuit street and Rock street.
- *Regent street**, Rox.; from Warren street to Dale street; part between St. James street and Alpine street accepted, conditionally, July 29, 1867; laid out from Warren street to Circuit street, Jan. 2, 1873; extended from Circuit street to Dale street, May 26, 1881. L 825, L 826, L 827, L 1528.

- Reims place**, Rox.; from Ward street, north-easterly, near N.Y., N. H & H. R.R.
- ***Remington street**, Dor.; from Centre street to Nixon street; laid out, June 23, 1885. L 1866.
- Rena street**, Bri.; from Western avenue, south-easterly, then south-westerly, to North Harvard street.
- Renfrew court**, Rox.; from Renfrew street, south-westerly.
- Renfrew court**, Rox.; from Harrison avenue, north-westerly and northerly, to the end of Renshaw court (plan, 1873); now part of Renfrew street.
- Renfrew place**, Rox.; from Renfrew street, south-westerly.
- Renfrew road**, Bri.; from Commonwealth avenue to Sidlaw road; authority to open given by Street Commissioners, Oct. 1, 1891.
- ***Renfrew street**, Rox.; from Eustis street to Winslow street; name of Brewster street changed to Renfrew street, April 20, 1869; laid out from Eustis street to Winslow street, Dec. 16, 1870; parts between Eustis street and Harrison avenue laid out on plan, 1873, as Renfrew court and Renshaw court. L 589, L 1075.
- Renshaw court**, Rox.; from Eustis street, south-westerly, to end of Renfrew court; now part of Renfrew street.
- Reservoir lane**, Bri.; from Beacon street, south-easterly, to Brookline line; same in 1875.
- Revere avenue**, B.; from Clinton street to Richmond street.
- Revere place**, B.; from Charter street, south-westerly, near Hanover street; same in 1843.
- †**Revere street**, B., 1855; from Irving street to Charles River; called May street, 1733; named Revere street, Aug. 7, 1855, from South Russell street to Charles River; portion from South Russell street to Irving street discontinued, June 22, 1894. L 2615.
- ***Revere street**, W. Rox.; from Alveston street to junction Roanoke avenue and Elm street; from Alveston street to Union avenue (now Call street), 1874; Bishop street laid out over part from Roanoke avenue to Call street, April 16, 1877; Revere street laid out from Alveston street to Roanoke avenue, Nov. 9, 1878. L 1326.
- Revere-street court**, B.; from Revere street, north-westerly, near West Cedar street; called Sherman place, 1847; called May-street court, 1849; named Revere-street court, 1858; Hill's court, 1874; now Bellingham place.
- Revere-street place**, 1857; from Revere street, near Grove street; May-street place, 1844.
- Rexham street**, W. Rox.; from Brandon street, south, then south-east, to Colberg avenue.
- Reynolds street**, E. B.; from Addison street at junction with Bremen street to Trumbull street.
- Rice street**, E. B.; from Coleridge street, north-westerly, to railroad crossing at Homer street.
- ***Rice street**, Dor., 1894; from Walnut street to Taylor street; formerly part of Wood street; laid out as Rice street, July 26, 1894. L 2608.
- Rich street**, Dor.; from Delhi street, south-east, towards West Selden street.
- Richards avenue**, W. Rox.; from Hyde Park avenue across Huntington avenue to Hyde Park line; called Richland street on plan, 1874; same called Richardson street, plan, 1884.
- Richards corner**, B.; corner of Ship (now North) street and White Bread alley (now Harris street), 1708.

- Richards court**, Dor.; from Olney (formerly Green) street; cannot be now identified.
- Richards street**, B.; from Harrison avenue to Reed street; same in 1874; now built over.
- Richards street**, Chsn.; from Medford street, north-easterly, nearly opposite Cook street.
- ***Richards street**, So. B., 1868; from Granite street crossing A street; name of Munroe street changed to Richards street, April 21, 1868; laid out, Nov. 17, 1868. L 255.
- Richards street**, Bri.; from Washington street, north-easterly, to Brighton Hill, then round the hill and crossing itself; same in 1875.
- Richardson avenue**, So. B. (proposed); from Hyde street, crossing Locust street.
- Richardson park**, Dor.; at junction of East Cottage street and Dorchester way.
- Richardson place**, B.; from Short (now Kingston) street, near Essex street, 1830-48.
- Richardson place**, B.; from Tremont street, easterly, opposite Van Rensselaer place, 1849; closed about 1865.
- Richardson place**, E. B.; from Saratoga street, near junction with Chelsea street, south-easterly, towards Bremen street.
- Richardson street**, Bri.; from Western avenue, south-east, then north-west to Mackin street. L 2782.
- Richardson street**, W. Rox.; from Hyde Park avenue to Hyde Park line; same given as Richland street on plan, 1874, and Richards avenue in Directory, 1884.
- Richardson's alley or lane**, B.; Hawley street was so called at an early date.
- ***Richfield street**, Dor.; from Columbia street to Olney street; laid out, Sept. 28, 1886. L 1950.
- Richfield park**, Dor.; from Richfield street, south-west; formerly called Prior place.
- Richland street**, W. Rox.; from Hyde Park avenue to Hyde Park line; same called Richardson street on plan, 1884; Richards avenue, from Hyde Park avenue to Huntington avenue, 1880 and 1884.
- Richmond avenue**, B.; from Salem street, north-westerly, 1833; North Margin street extended through, 1841.
- Richmond place**, B.; from Richmond (now Parmenter) street, north, near Salem street, 1840; shown on plan, 1833, but not named.
- Richmond road**, Dor., 1896; from Oakland street to Randolph road; authority to open given by Street Commissioners, April 16, 1896.
- ***Richmond street**, B., 1800; from Atlantic avenue to Hanover street, opposite Parmenter street; from Middle (now Hanover) street to Back (now Salem) street called Bear, Beer, or Bur lane, 1708; Bridges lane, 1796; named Richmond street, Jan. 22, 1800; extended east to Fish (now North) street, 1820; extended through Proctor's lane to Fish street, July 6, 1824; extended to Commercial street, through Page's yard, 1831; extended westerly, across Salem street toward Haymarket square, through Bartlett place, Aug. 18, 1845; extended to Mercantile street, 1859; name of part between Salem street and Hanover street changed to Parmenter street, Dec., 1870; extended from Commercial street to Atlantic avenue, Oct. 8, 1875. Vol. 31, p. 64. L 127, L 319, L 331, L 443, L 1042, L 1080.
- ***Richmond street**, Dor.; from Washington street to Adams street; straightened from Washington street to Dorchester avenue, Dec.

25, 1867; same part laid out as a highway, May, 1869; continuation to Adams street laid out, Aug. 12, 1869. L 1644, L 1645, L 2614.

***Richmond street**, Chsn.; from Bow (now Devens) street to Canal street; from Bow street to Union street; accepted, Sept. 16, 1813; from Union street to Austin street accepted, April 5, 1824; laid out, extended and accepted from Austin street to Chapman street, Sept. 15, 1856; lines established between Bow street and Union street, Dec. 12, 1859; continued and laid out from Chapman street towards the river to a point that would intersect north-westerly line of Williams street extended south-westerly, June 29, 1863; extended and laid out from present terminus to Cambridge street, Sept. 30, 1867; name of Canal street extended to portion of Richmond street between Austin street and Canal street, June 16, 1874; Richmond street and Canal street called Rutherford avenue, May 28, 1878.

Richview street, Dor.; from Hillsdale street, south-west, to Dorchester Park.

Ricker street, W. Rox.; from Walker street, north-east, near Weld street.

†**Ridge street**, W. Rox.; from Brown avenue to Florence street; formerly called Pine street; laid out as Ridge street between Brown avenue and Sherwood street, April 19, 1888; from Sherwood street to Sycamore street, Oct. 3, 1891. L 2064, L 2341.

Ridge road, Bri.; from Dustin street to Etna street.

Ridge road, Dor.; from Oakland street to Randolph road, near Hyde Park line; authority to open given by Street Commissioners, April 16, 1896.

Ridgemont avenue, Bri.; from Allston Heights, south-west, crossing end of Eleanor street; authority to open given by Street Commissioners, Feb. 2, 1893; laid out as Ridgemont street, Dec. 14, 1894.

***Ridgemont street**, Bri., 1894; from Allston Heights to west of Eleanor street; formerly Ridgemont avenue; laid out, Dec. 14, 1894. L 2669.

***Ridgeway lane**, B., 1788; from Cambridge street to Derne street; same in 1788; taken as a town street, conditionally, Sept. 23, 1818.

***Rill street**, Dor.; from Hancock street, south-westerly, crossing Ware street; laid out from Hancock street to Ware street, Sept. 30, 1881. L 1560.

***Ringgold street**, B.; from Hanson street to Waltham street; same in 1846; laid out, May 5, 1868. L 379.

Riorden place, Chsn.; from Monument street, near Bunker Hill street, south-east; also called Monument place.

Ripley's wharf, B.: from Commercial street, opposite Commercial court, north-easterly.

Ritchie street, B.; from Salem street to Endicott street, 1840-1844; called Morton street before and since.

***Ritchie street**, Rox.; from Centre street to Marcella street; a part of what formerly was Greenwood street; laid out, Dec. 31, 1888. L 2111.

River place, B., 1877; from River street, near Mt. Vernon street; called River-street place, 1861; River place, 1877.

***River street**, B., 1843; from Beacon street to and across Mt. Vernon street; same called A street on plans of 1830; River street, from Beacon street to Mt. Vernon street, 1843; accepted, conditionally, Oct. 17, 1855; accepted between Mt. Vernon street and Chestnut street, Oct. 4, 1859; accepted, conditionally, from Chestnut street

to Beacon street, Nov. 17, 1862; extended 134½ feet north of Mt. Vernon street, June 16, 1868; laid out from Beacon street to Chestnut street, Oct. 9, 1877. L 297, L 1274.

***River street**, Dor.; from Washington street (Lower Mills) to Hyde Park line; located, Dec. 1835; named, March 11, 1840; altered, etc., July 17, 1857; relocated, Nov. 27, 1858; altered, etc., April, 1859; relocated, Dec. 27, 1865; altered, etc., near Kenney's bridge, December, 1865. L 739, L 1223, L 1224, L 1225, L 1226, L 1227, L 1228, L 1501, L 1995, L 2065, L 2802.

River street, Bri.; 1840; from Cambridgeport to Brighton, near Charles river; named River street, June 15, 1840; name changed to Western avenue, June 13, 1873.

River-street place, B.; from the end of River street, north of Mt. Vernon street, to Pinckney street; same in 1861.

Riverdale park, Rox.; Riverway sometimes so called.

***Riverdale street**, Bri.; from Western avenue to Raymond street; laid out, Dec. 19, 1889. L 2193.

Riverside avenue, E. B. (Breed's Island); from Saratoga street, opposite Bayswater street, nearly parallel with Belle Isle Inlet to Ashley avenue.

***Riverside street**, Rox.; from Tremont street to Columbus avenue; formerly from Tremont street to Cary street; named Dec. 27, 1871; laid out, Sept. 30, 1876; portion included in extension of Columbus avenue and portion west of Columbus avenue discontinued, Jan. 4, 1895. L 1181, L 2684.

Riverview avenue, Dor.; from Adams street, following irregularly the course of Neponset River two-thirds of its length, then curving north-easterly to end of Butler street; part from Adams street to railroad, laid out as Medway street, Oct. 21, 1889. L 2183.

Riverway, Rox.; the parkway leading from the Fens bridge to the junction of Tremont street and Heath street; sometimes called Riverdale park.

Roach street, Dor.; from Pleasant street to Dorchester avenue.

***Roanoke avenue**, W. Rox.; from Revere street at junction with Elm street, to Alveston street; in 1849, from Centre street to Green street, including what are now parts of Seaverns avenue, Roanoke avenue and Elm street; laid out from Revere street to Alveston street, May 1, 1876. L 1144.

Robbins court, B., 1822; from Middle (now Hanover) street, west; called Robinson's court, 1821; Robbin's court, 1822; North Hanover place or court, 1825; Hanover place, 1827; North Hanover court, 1840.

***Robert street**, W. Rox.; from Brookfield street to South Walter street; laid out, Dec. 27, 1893. L 2576.

Robert avenue, Dor.; from Magnolia street to Hartford street; shown on plan in 1889; now shown as Chamblet street.

***Robeson street**, W. Rox.; from Forest Hills street to Sigourney street; laid out, Sept. 17, 1884. L 1822.

Robin street, W. Rox.; from La Grange street to north-east of Park street.

Robin Hood street, Dor.; from Hartford street to Magnolia street; also called Robin Hood avenue; formerly called Homestead avenue.

Robinson avenue, Dor.; from Robinson street, north-westerly.

Robinson court, Dor.; from Savin Hill avenue, near railroad, north-easterly.

Robinson place, Dor.; from Brook avenue, south-easterly.

- *Robinson street**, Dor.; from Adams street to Draper street; laid out, Nov. 10, 1871. L 714, L 2634.
- Robinson's alley or lane**, B.; from North street to Elits (now Unity) street, 1733; confirmed as a public way, Sept. 15, 1834; name changed to Webster avenue, March 28, 1855.
- Robinson's court**, B., 1821; from Middle (now Hanover) street, west, 1821; called Robbins court, 1822.
- Robinwood avenue**, W. Rox.; from Centre street to Enfield street; authority to open given by Street Commissioners, Dec. 28, 1892.
- Rochdale street**, Rox.; from Cobden street, north, to Fenner street; authority to open given by Street Commissioners, Feb. 6, 1893.
- *Rochester street**, B.; from Harrison avenue to Albany street; from Harrison avenue, east, 1844; to Albany street, 1846; from Harrison avenue to Albany street, accepted and laid out as a public highway, Oct. 17, 1855.
- Rock avenue**, Dor.; from Norfolk street, north-west, nearly opposite Stanton street.
- Rock road**, Dor.; from Randolph road, south-west, to Hyde Park line.
- *Rock street**, Rox.; from Rockland street to Regent street; laid out, March 21, 1884. L 1763.
- Rockdale street**, Dor.; from Oakland street, south-west; authority to open street given by Street Commissioners. Oct. 13, 1893.
- Rockingham court**, E. B.; from Orleans street, near Decatur street, north-westerly, to land E. (now B. & M.) R.R. Co.
- Rockingham place**, Rox.; from Cabot street, south-easterly, then south-westerly, to Roxbury street.
- Rockingham road**, Dor.; from Oakland street to Randolph road, near Hyde Park line; authority to open given by Street Commissioners, April 16, 1896.
- *Rockland avenue**, Rox.; from Rockland street to Dale street, nearly opposite Laurel street; laid out Sept. 30, 1876. L 1180.
- Rockland avenue**, Dor.; from Woodward avenue to Grampian way.
- Rockland place**, E. B.; from Everett street to Maverick street; shown as Rockland court from Everett street, towards Maverick street in 1892.
- Rockland place**, Rox.; from Rockland street, north-easterly.
- *Rockland street**, Rox.; from Warren street to Dale street; accepted conditionally, Oct. 30, 1865; laid out between Warren street and Walnut avenue, July 8, 1873; laid from Walnut avenue to Dale street, Dec. 6, 1875. L 877, L 1107, L 1108.
- *Rockland street**, W. Rox.; from Washington street, south-east, to Dedham line; laid out April 5, 1872. L 974, L 975.
- Rockland street**, W. Rox.; from Washington street, near Parkway, south-east.
- *Rockland street**, Bri.; from Washington street, east of Chestnut Hill avenue, south-westerly, crossing Chestnut Hill avenue; laid out southwardly from Chestnut Hill avenue, July 21, 1879. L 1368.
- Rockland street**, Bri.; named from "near Parish House," southerly, to South street, and continued to Brookline line, June 15, 1840, location altered, Sept. 9, 1856; accepted, June 1, 1857; accepted from South street to a point on Washington street opposite Market street, June 11, 1871; name changed to Chestnut Hill avenue, Dec. 27, 1872. L 1573.
- Rockledge street**, Rox., 1895; from Lambert avenue to Thornton street, opposite Juniper street; authority to open given by Street Commissioners, Sept. 13, 1895.

Rockview place, W. Rox.; from Rockview street, south-east, near Spring Park avenue.

***Rockview street**, W. Rox.; from Spring Park avenue to Green street; D street laid out from Spring Park avenue, and extended to Green street under name of Rockview street, May 26, 1880. L 1459, L 1460.

***Rockville park**, Rox.; from Warren street, easterly, 1885; formerly Allston place and Rockville place; name changed to Rockville park, March 1, 1885. L 403.

***Rockville place**, 1868, Rox.; from Warren street, easterly; name of Allston place changed to Rockville place, April 21, 1868; laid out, May 25, 1869; changed to Rockville park, March 1, 1885. L 403.

Rockville street, Dor.; from Blue Hill avenue to Oakland street; authority to open given by Street Commissioners, May 2, 1892.

Rockway street, Dor.; from Rockville street to Chester street.

***Rockwell street**, Dor.; from Washington street to Milton avenue; formerly Homer street; no record of change of name, but Rockwell street laid out, Feb. 2, 1880. L 1434.

***Rockwood street**, W. Rox.; from Pond street to Brookline line; laid out, March 29, 1872; relocated, Sept. 30, 1880. L 1493.

Rocky Hill avenue, Dor.; from Davenport avenue, north-easterly, south-easterly, north-easterly, south-easterly, to Columbia street; portions called Arion street and Davenport square; the portion from Columbia street, north-west, called Rocky Hill in 1894.

Rocky Swamp lane, Rox.; an ancient road in Roxbury; part of rendered useless by Norfolk and Bristol turnpike (now Washington street); also called Jube's lane and the "road to Rocky swamp;" discontinued, September, 1806.

Rodman street, W. Rox., 1896; from Wachusett street to Patten street; authority to open given by Street Commissioners, Aug. 5, 1896.

Rodney street, Bri.; from Cambridge street, near Dustin street, north-east.

Roebuck passage, B., 1815; from the Town Dock to Ann (now North) street, 1815; called Fish lane, 1789; made a continuation of Merchants' row, Oct. 9, 1826.

Rogers avenue, Rox., 1872; from Ruggles street to Parker street; portion between Parker street and Huntington avenue laid out as Bryant street, May 21, 1884; portion from Ruggles street to near bend formerly called Ruggles place. L 418, L 1777.

Roger's corner, B., 1800; corner of Beacon street and Summer (now Mt. Vernon) street.

Rogers court, Rox.; from Rogers avenue, westerly, between Farnum place and Bay View place.

***Rogers street**, So. B.; from Dorchester street to Hyde street; name of Mechanics street, from Dorchester street to Preble street, changed to Rogers street Aug. 7, 1855; laid out, Nov. 13, 1875; laid out, from Preble street to Hyde street, Sept. 2, 1885. L 1093, L 1209, L 1879.

Roland road, Dor.; from Oakland street to Randolph road, near Hyde Park line; authority to open given by Street Commissioners, April 16, 1896.

Roland street, Chsn.; from B. & M. R.R. to Somerville line, near Crescent street.

Rollins court, Rox.; from Dennis street, south-east, nearly opposite Huckins street.

Rollins place, B.; from Revere street, northerly, to Garden-street court; same in 1843.

***Rollins street**, B., 1868; from Washington street to Harrison avenue; called Sprague street, 1855; named Parker street, 1856; name changed to Rollins street, April 21, 1868. L 35.

Romar terrace, Rox.; from Cedar street, south-west, between Cedar park and Centre street.

***Romsey street**, Dor.; from Dorchester avenue to Sydney street; laid out, from Dorchester avenue to Sagamore street, Aug. 23, 1888; laid out from Sagamore street to Sydney street, Jan. 4, 1896. L 2088, L 2754.

Ropemakers lane, Chsn., 1670; from Harvard street to Front street; mentioned to be widened, March 1, 1819; spoken of as "Arrow street formerly Ropemakers lane," April 12, 1819.

Rosamond place, W. Rox.; from Clarendon park near corner of Poplar street north-west.

Rosemary street, W. Rox.; from South street south-east between Hall street and Spalding street.

Rosalinda street, Dor., 1872; from Columbia street to Erie avenue, near present Walcott street; now abandoned.

Roseberry road, Dor.; from Randolph road, south-west, to Hyde Park line.

Roseclair street, Dor., 1894; from Dorchester avenue to Boston street; authority to open given by Street Commissioners, Oct. 3, 1894; authority to open from Boston street eastwardly, given by Street Commissioners, March 12, 1896.

Rosedale avenue, Dor.; from Washington street to Whitfield street; authority to open given by Street Commissioners, May 12, 1893; laid out as Rosedale street, March 16, 1895. L 2699.

***Rosedale street**, Dor., 1895; from Washington street to Whitfield street; formerly Rosedale avenue; laid out, March 16, 1895. L 2699.

Rosemont street, Dor.; from Samoset street to Adams street and from Adams street, south-easterly, to Gustin avenue.

Rosemont terrace, Dor.; from the portion of Rosemont street south-east of Adams street, southerly.

Rosewood street, Dor.; from Oakland street, south-west, near N. E. R.R.; authority to open given by Street Commissioners, Oct. 26, 1893.

Roslin avenue, W. Rox.; from Beech street to Norfolk street; from Washington street to Beech street, 1874; part from Washington street to Norfolk street laid out as Kittredge street, Dec. 22, 1882. L 1672, L 1673.

Roslin street, Rox.; from Warren street, easterly; laid out, with name of Carlisle street, Sept. 20, 1883. L 1732.

***Roslin street**, Dor.; from Washington street to Ocean street; laid out, July 31, 1873. L 885.

Roslindale avenue, W. Rox.; from Beech street to Dudley avenue; same in 1874.

Roslyn place, W. Rox.; from Chestnut avenue, north-west, near corner of Boylston street; called Roslin avenue in 1874.

Ross place, So. B.; from rear of O street between East Fifth street and East Sixth street.

Rosseter place, Dor.; from Rosseter street, south-west, opposite Olney street.

†**Rosseter street**, Dor.; from Bowdoin street to Eldon street; portion between Eldon street and Union avenue (now Olney street), formerly part of Bowdoin avenue, laid out as Rosseter street, Sept. 26, 1882; name of Union avenue from Olney street to Bullard street changed to Rosseter street, March 1, 1889. L 1643, L 1651.

Roswell street, Rox., 1896; from Langdon street to Shirley street; authority to open given by Street Commissioners, June 12, 1896.

- Rougemont place**, Rox.; from junction of Columbus avenue and West Walnut park, west.
- ***Round Hill street**, Rox.; from Day street, south-east, then north-east, then south-east, across Gay Head street, then south, then north-east to Walden street; laid out, Dec. 30, 1893. L 2566, L 2567.
- Round lane**, B., 1732; from Long lane (now Federal street) to Atkinson (now Congress) street, 1732; on Carleton's map, 1800, called Round street; name changed to Williams street, Jan. 10, 1821.
- Rowe court**, B., 1845; from Rowe (now Chauncey) street, west; Rowe place, 1820; Rowe court, 1840; Exeter place, 1845.
- Rowe place**, B.; from Rowe (now Chauncey) street, south-easterly; same in 1838.
- Rowe place**, B., 1820; from Rowe street, west, 1820; named Rowe court, 1840; Exeter place, 1845.
- Rowe place**, B., 1825; from Bedford street, south, 1825; named Rowe street, 1834; Chauncey street, 1856.
- ***Rowe street**, B., 1834; from Bedford street to Essex street; called Exeter street, 1805; Rowe place, from Bedford street, south, 1825; Rowe place, laid out from Bedford street to Essex street, and named Rowe street, Dec. 22, 1834; name of Rowe street changed to Chauncey street, April 15, 1856.
- Rowe street**, Dor.; from Houghton street, near Pope's Hill street, east.
- Rowe street**, W. Rox.; from Brown avenue to Sharon street; same in 1849. L 2308.
- Rowe's lane**, B., 1803; Pond street was so called, 1803.
- Rowe's pasture or field**, B., 1777; between Essex street and Pond (now Bedford) street.
- Rowe's wharf**, B.; from Atlantic avenue, north-easterly, opposite High street and Broad street.
- ***Rowena street**, Dor.; from Carruth street to Bushnell street; formerly part of Fuller street; laid out, Aug. 29, 1889. L 2158.
- Roxbury avenue**, Bri.; from Chestnut Hill avenue, north-easterly; crossing Englewood avenue; same in 1875; part from Chestnut Hill avenue to Englewood avenue laid out as Isleworth street, May 11, 1887; remainder laid out as a part of Sutherland road, Oct. 11, 1892. L 1985, L 2442.
- ***Roxbury street**, Rox.; from Washington street to Columbus avenue; laid out, Jan. 19, 1662, and named Washington street, May, 1825; name of Washington street between Guild row (now Washington street) and Pyncheon street (now Columbus avenue) changed to Roxbury street, June 16, 1874. L 402, L 420, L 768.
- Roxbury terrace**, Rox.; from Roxbury street, north-west, formerly called Bates place; later Washington court.
- Roxton street**, Dor.; from Glenway street to Greenwood street.
- Roy street**, Rox.; from Regent street to and crossing Hulburt street; same as Ray street. L 1663.
- Royal road**, Bri.; from Cambridge street to Coolidge road; laid out as Royal street, Aug. 24, 1892. L 2428.
- ***Royal street**, Bri.; from Cambridge street to Coolidge street; formerly Royal road; laid out, Aug. 24, 1892. L 2428.
- Royal Exchange lane**, B.; Shrimpton's lane (now Exchange street) sometimes so called.
- Royall's alley**, B., 1732; from Ann (now North) street, east, to the Wharffe, 1732; same in 1800; where Blackstone street now is, or between Blackstone street and Barrett street.

- *Rois street**, Rox.; from Lamartine street to Chestnut avenue; laid out, Oct. 6, 1880, from Lamartine street to Gilbert street (now Chestnut avenue). L 1497.
- Rozella street**, Dor., 1897; from Adams street, near King street, to Muzzy street; authority to open under the name of Adams terrace, given by Street Commissioners, Oct. 8, 1895.
- Ruck's corner**, B., 1732; corner of Charter street and Salem street, 1732.
- Rugby street**, W. Rox.; from Centre street, nearly opposite Ballard street, north-west to beyond Vane street.
- Rugby street**, Bri.; from Cambridge street, near Rodney street, north.
- Ruggles court**, Rox.; from Ruggles street, southerly, near corner Halleck street; also called Ruggles-street court.
- Ruggles place**, Rox., 1867; from Ruggles street at crossing of B. & P. (now N. Y., N. H. & H.) R.R. southerly to creek; part now called Rogers avenue and part abandoned. L 418.
- Ruggles place**, Dor.; from Washington street, south-easterly, then north-easterly, then northerly and parallel with Dorchester avenue, between Codman street and Richmond street.
- *Ruggles street**, Rox., 1825; from Washington street to Back Bay Fens; portion from Cabot street to Gravelly Point laid out, Jan. 19, 1862; named from Worcester turnpike (now Roxbury street) to the cross-dam (now Parker street), May 9, 1825; line straightened Nov. 5, 1827; street from Tremont street near Boston line to Washington (now Roxbury) street by Linden park (now Linden Park street), part of which had been called Cabot street and part Ruggles street, named Cabot street throughout, Aug. 9, 1858; street from Parker street to Washington street, part of which had been known as Ruggles street and part as Water street, named Ruggles street throughout, Aug. 9, 1858; laid from Parker street to Back Bay Fens, June 10, 1896. L 385, L 659, L 884, L 895, L 1291, L 1310, L 1889, L 2773.
- Rumney marsh**; old name of Chelsea, which was a part of Boston until 1738.
- Rupert street**, Dor.; from Kilton street, south-east, near Washington street; authority to open under the name of Sidney street given by Street Commissioners, May 15, 1895.
- *Ruskin street**, W. Rox.; from Weld street to Corey street; formerly Corey avenue; laid out, April 1, 1890. L 2216.
- Russell court**, B.; from North Russell street, westerly, near Parkman street; same in 1848.
- Russell park**, Dor., 1896; from Westville street, northwardly, nearly to Corona street; authority to open given by Street Commissioners, July 2, 1896.
- Russell place**, B.; from North Russell street, westerly, south of Russell court; same in 1847.
- Russell place**, B.; from Suffolk street (now Shawmut avenue) south-east, between Carney place (now Waterford street) and Garland street, 1859; closed about 1872.
- Russell court**, } Rox.; from Ruggles street, north-westerly, to Madison
Russell place, } court; laid out as Field street, Jan. 5, 1887. L 1971.
- Russell place**, Chsn.; from Russell street, north-east, near Harrison place.
- Russell street**, B., in 1795; from Cambridge street, northerly, 1800; named North Russell street, from Cambridge street to Eaton street, and South Russell street, from Cambridge street to May (now Revere) street, 1802; to Myrtle street, 1806.

- ***Russell street**, Chsn.; from Pearl street to Auburn street; Oliver Holden conveys land (now part of Russell street) running from Pleasant street nearly at right angles north-westerly to street laid out by Richard Sullivan (now Sullivan street), July 17, 1819; from Graves (now Sullivan) street to Eden street accepted, March 24, 1834; from Eden street to Oak street laid out, May 23, 1859; laid out from Oak street and extended to Auburn street, July 23, 1861.
- Russell-street court**, Chsn.; from Russell street, north-east, between Auburn street and Mead street.
- Russell's wharf**, B.; from Federal street, easterly; same from Purchase street, 1800.
- Russell's wharf**, B.; next northward from Old North Battery, easterly, to the water, 1800.
- Russia wharf**, B.; from Atlantic avenue, south-easterly, at corner of and parallel with Congress street.
- ***Ruth street**, E. B., 1892; from Webster street to Marginal street; formerly part of Terrace place; laid out from Webster street to Brigham street (formerly part of Terrace place), Nov. 26, 1892; extended to Marginal street, Oct. 12, 1893. L 2462, L 2463, L 2538.
- ***Rutherford avenue**, Chsn.; from Devens street to Cambridge street; Richmond street and Canal street named Rutherford avenue, May 28, 1878. L 1216, L 1217, L 1218, L 1219, L 1590, L 2021.
- ***Ruthven street**, Rox., 1884; from Walnut avenue to Elm Hill avenue; part from Walnut avenue to Humboldt avenue formerly called Oriole street; laid out as Ruthven street, Dec. 1, 1884; laid out from Humboldt avenue to Elm Hill avenue, Nov. 14, 1890. L 1837, L 2273.
- Rutland place**, B.; from Haven street, near corner Rutland street, south-easterly; same in 1866.
- Rutland place**, So. B.; from O street, near East Sixth street, westerly; also shown previously as Butland place; not shown in 1891.
- ***Rutland square**, B., 1866; from Tremont street to Columbus avenue; part of Rutland street, from Tremont street to Water Power Co.'s line, 125 feet easterly from Columbus avenue, accepted and named Rutland square, Oct. 9, 1866; laid out from B. W. P. Co.'s line to Columbus avenue, Dec. 24, 1867. L 340.
- ***Rutland street**, B., 1826; from Washington street to Tremont street; laid out from Washington street, west, July 24, 1826; from line of extension of Front street (now Harrison avenue) to Tremont street, 1836; accepted Dec. 7, 1857; part west of Tremont street, extended to line of B. W. P. Co., and accepted, Aug. 13, 1861; from Tremont street to Columbus avenue, 1861; from Tremont street to B. W. P. Co.'s line (a passageway 125 feet east from Columbus avenue) accepted and named Rutland square, Oct. 9, 1866; laid out from B. W. P. Co.'s line to Columbus avenue, Dec. 24, 1867; laid out from Columbus avenue to B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; part west of Columbus avenue named West Rutland square, July 25, 1871. L 502, L 516.
- ***Rutledge street**, W. Rox.; from Park street to Bellevue street; given as Farrington street on plan, 1874; laid out, June 15, 1877. L 1243.
- Ruxton road**, Dor.; from Ridge road to Regent road, near Hyde Park line.
- ***Sachem street**, Rox.; from Hillside street to Calumet street; laid out, Sept. 19, 1887. L 2023.
- ***Sackville street**, Chsn., 1887; from Bunker Hill street to Medford street; Webster street laid out, with name of Sackville street, Jan. 1, 1887. L 1968, L 1969.

- Saco street**, Dor. 1891; from Neponset avenue, near and south of Howe street; authority to open given by Street Commissioners, Oct. 1, 1891.
- †**Sagamore street**, Dor.; from Savin Hill avenue to Soudan street; laid out from Savin Hill avenue to Romsey street, June 5, 1877. L 1242.
- ***Salcombe street**, Dor., 1892; from Stoughton street to Cushing avenue; authority to open given by Street Commissioners, Sept. 23, 1892; laid out June 5, 1895. L 2714.
- Salem court**, B.; from Salem street, south-east, near Tileston street; same in 1846.
- Salem place**, B.; from Salem street, north-westerly, between Cross street and Endicott street; same in 1839.
- Salem place**, B.; from Salem street to Cooper street, 1828; named Bartlett place, 1837.
- ***Salem street**, B.; from Hanover street to Charter street; from Prince street to Charter street, 1708; at one time called Green lane; from Hanover street to Charter street, 1824; the part from Hanover street to Prince street called Back street, 1708-1824. Vol. 31, p. 92. L 341, L 2188, L 2659.
- Salem street**, W. Rox.; from Corinth street, south-westerly; part from Corinth street to Albano street laid out, with name of Cohasset street, Oct. 30, 1889. L 2186.
- ***Salem street**, Chsn.; from Main street to High street; road leading from Main street, opposite Capt. Phipps to steps of Baptist Meeting-house accepted as a town road, March 12, 1804.
- Salem-Hill court**, Chsn.; from Pearl street, north-westerly, same in 1875.
- ***Salem-street avenue**, Chsn.; from Salem street to High street; from High street accepted as North street, Dec. 15, 1834; name of North street changed to Salem-street avenue, July 21, 1869.
- Salem turnpike**, Chsn.; from Charlestown (now City) square to Chelsea; from Charlestown square to the north-west corner of Navy Yard surrendered to Town by Salem turnpike and Chelsea Bridge Corporation and act of Legislature authorizing same passed, June 17, 1831; now Chelsea street.
- Salt Alley**, B.; from Salt lane, at Creek square, southerly.
- ***Salt lane**, B.; from Union street, easterly, to Creek square; from Union street to Creek lane, 1708; from Union street to Creek square, 1817.
- Salter place**, B.; from Prince street, south, near Salem street; same in 1834.
- Salter's court**, B.; a passageway to the Exchange Coffee House, between Congress street and Devonshire street, 1808; called Exchange square, 1818; named Congress square, 1821.
- Salutation alley**, B.; from North (now Hanover) street, down by the Salutation to Ship (now Commercial) street, 1708; called Salutation street, 1825; so called from a figure used as the sign of a tavern on that passageway which took off its hat to passengers; also because it led from Hanover street to the Salutation or Fort; the North Battery is called in old records the Salutation.
- ***Salutation street**, B.; from Hanover street to Commercial street; called Salutation alley, 1708; named Salutation street, 1825.
- Salvisberg avenue**, Rox.; from Hampshire street, near Vernon street, to Culvert place, now Downing street; same given Hunnewell court on chart, 1884; now called Whittier street.
- Samoset street**, Dor., 1892; from Centre street, near and east of O. C. (now N. Y., N. H. & H.) R.R.; authority to open given by Street Commissioners, Aug. 3, 1892.

- Samosett place, B.;** from Prince street, north-easterly, near Hanover street; same in 1851; called Somerset place on chart.
- Sanborn avenue, Dor.;** from Harvard street to Bradshaw street.
- Sands place, B.;** from Washington street, east, near South May (now Savoy) street, 1859; named Ottawa place, 1873; Temple park, 1879; Mechanics row, 1894.
- Sands place, B.;** from Harrison avenue, westerly, near Savoy (formerly South May) street, leading into and sometimes called Ottawa place, Temple park, and Mechanics row.
- Sanford place, B.;** from East Lenox street, north-easterly, near Washington street; same in 1870.
- *Sanford street, Dor.;** from Washington street to Cedar street (Lower Mills); named from Washington street, near the Mills, to Neponset (now Morton) street, March 11, 1840; accepted June 15, 1853.
- Santuit street, Dor.,** 1896; from Welles avenue to Rosemont street.
- Saratoga place, E. B.;** from Saratoga street, near Meridian street, north-westerly.
- *Saratoga street, E. B.;** from Central square to Winthrop line; laid out from Swift street, north-easterly, and extended north-easterly, towards Breed's Island or Belle Isle to centre of channel, Aug. 7, 1848; continued over Breed's Island to Chelsea-point bridge, Sept. 20, 1848; accepted and laid out from Meridian street to Marion street, Sept. 27, 1852; accepted from Central square to Swift street, Oct. 4, 1852; laid out and dedicated from Chelsea street to Swift street, July 28, 1858; accepted at junction with Pope street and junction with 40-foot strip of land adjoining land of E. (now B. & M.) R.R.; Nov. 1, 1858; accepted at junction with Chelsea street, Sept. 13, 1859; County road (now Saratoga street) over Breed's Island, straightened, Feb. 1, 1862. L 141, L 161, L 244, L 248, L 289, L 899, L 1457, L 1458, L 1487, L 1851, L 1930, L 2155, L 2617.
- *Sargent street, Dor.;** from Howard avenue to Hartford street; laid out, Sept. 2, 1876. L 1165.
- Sargent street, W. Rox.;** from Canterbury street to Walk Hill street; laid out as Paine street, May 1, 1884. L 1768.
- Sargent's wharf, B.;** from Commercial street, south-easterly.
- Sarsfield place, Bri.;** from North Harvard street, north-west, near Western avenue.
- *Sarsfield street, Rox.,** 1887; from Tremont street to Grinnell street; Milford place laid out, with name of Sarsfield street, Dec. 10, 1887. L 2046.
- *Saunders street, Bri.;** from Cambridge street to North Beacon street; laid out, Oct. 15, 1886. L 1953.
- Savage court, E. B.;** from Chelsea street, north-westerly, between Marion street and Porter street.
- Savage's corner, B.;** corner of Dock square and Shrimpton's lane (now Exchange street), 1708.
- Savage's corner, B.;** corner of Ann (now North) street and Scottow's (now Scott) alley, 1708.
- Savage's court, B.;** from Cornhill (now Washington street) through Webster's arch, westward, 1732; name changed to Williams court, 1789.
- Saville street, W. Rox.;** from Park street to Irving street.
- *Savin street, Rox.;** from Warren street to Blue Hill avenue; laid out, April 9, 1875. L 1037, L 1038.
- *Savin Hill avenue, Dor.;** from Pleasant street to Savin Hill station, O. C. (now N. Y., N. H. & H.) R.R.; thence around Savin Hill to same point; road to Savin Hill by Mr. Tuttle's named Savin Hill

- avenue, March 11, 1840; driveway around Savin Hill, before called in part Atlantic avenue and in part Indian way, laid out as a public highway with name of Savin Hill avenue, Aug. 12, 1869; laid out 50 feet wide from Pleasant street to O. C. (now N. Y., N. H. & H.) R.R., Aug. 6, 1875. L 761, L 1067, L 1068, L 1250, L 1760, L 2531.
- *Savoy street, B.**, 1892; from Washington street to Harrison avenue; South May street, laid out, with name of Savoy street, Nov. 29, 1892. L 2465.
- *Sawyer avenue, Dor.**; from Pleasant street to Cushing avenue; from end of Savin Hill or Sawyer Hill avenue, southerly, then north-westerly, towards Hancock street; laid out from Pleasant street, including Savin Hill or Sawyer Hill avenue, July 16, 1877; extended to Cushing avenue, Oct. 28, 1881; street west from Pleasant street, given on chart 1874 as part of Savin Hill avenue, on chart 1884 as Sawyer Hill avenue. L 1250, L 1251, L 1561.
- *Sawyer street, B.**; from Shawmut avenue to Lenox street; same in 1845; laid out, Sept. 23, 1872. L 780.
- Sawyer Hill avenue, Dor.**; from Pleasant street, opposite Savin Hill avenue, to Sawyer avenue; given on chart 1874 as part of Savin Hill avenue, and by directories made a part of Sawyer avenue; laid out as Sawyer avenue, July 16, 1877.
- Saxon court, E. B.**; from Paris street, near Porter street, north-westerly.
- Saxton street, Dor.**; from Romsey street, south-westerly, crossing Belfort street; authority to open between Belfort street and Savin Hill avenue given by Street Commissioners, March 13, 1895.
- Sayward place, So. B.**; from Woodward street, near Dorchester avenue, north-easterly.
- *Sayward street, Dor.**; from Columbia street to Bird street; laid out, July 26, 1883. L 1722.
- Scarborough street, W. Rox.**; from Walnut avenue to Morton street; from Walnut avenue to Forest Hills street, 1849; built from Forest Hills street to Canterbury street, paid for, Feb. 24, 1851; streets known as Forest Hills and Scarborough streets named Morton street, Dec. 5, 1859, remainder included in Franklin park.
- Scarlet's wharf lane, B.**; from Ann (now North) street, west, 1789; part of Fleet street, so called.
- *Schiller street, Rox.**; from Heath street to Minden street; laid out, July 16, 1891. L 2316.
- School alley, B.**; from North Bennet street to Prince street, 1732; called Grammar alley on Carleton's map, 1795; opposite the North Grammar School into Prince street called School alley, 1800; named Bennet avenue, 1839.
- School court, Rox.**; from Tremont street to New Heath-place School-house; named, March 5, 1860; later called Cottage place.
- *School street, B.**; from Washington street to Tremont street; from Cornhill (now Washington street,) west across Common (now Tremont) street to the head of the present Somerset street, 1708; called South Latin School street, 1789, from Cornhill to Common street the part west of Common street being called Beacon street, 1803; widened by laying out as a town way a strip of land before used as a common passageway, Oct. 9, 1843. L 88. L 2085.
- *School street, Rox. and W. Rox.**; from Walnut avenue to Amory street; laid out, Jan. 19, 1662; named from Centre street to Back street (now Walnut avenue), May 9, 1825; name of part from Centre street to Boylston street changed to Amory street, April 21, 1868. L 1171, L 1586.
- *School street, Dor.**; from Washington street to Harvard street; from Upper road to lane leading to John Pierce's house located, May 23,

1808; named from Upper road by No. 4 School to Mr. Carleton's, March 11, 1840.

***School street, Chsn.;** from Main street to Bunker Hill street; July 17, 1810, Oliver Holden conveys to Town for a public highway a parcel of land now used as road called Middle street, from Bartlett street, north-easterly, to Bunker Hill street, nearly parallel with Pleasant street; also road called Alfred street from Summer street, north-easterly, to Bartlett street, both now forming part of School street; part from High street to Main street formerly called School-House lane, accepted as School-House street, May 3, 1824. L 1490.

School street, Bri.; from Market street to Waverley street; same in 1875.

School-House court, Chsn.; from Charles street, south-easterly; same in 1875.

School-House lane, Chsn.; from Main street to High street; accepted as School-house street, May 3, 1824; now part of School street.

School-House street, Chsn.; from Main street to Bunker Hill street; name changed to Charles street, Sept. 30, 1850.

School-House street, Chsn.; from High street to Main street; formerly called School-House lane; accepted, May 3, 1824; now part of School street.

School-street place, W. Rox.; from School street, north-easterly.

School-street place, Chsn.; from School street, north-westerly.

Schrepe! place, So. B.; from East Third street, north, near K street.

***Schuyler street, Rox.;** from Blue Hill avenue to Elm Hill avenue; Ashland street named Sea-view street April 21, 1868; Sea-view street, named Schuyler street, May 24, 1870; laid out from Maple street to Elm Hill avenue, Sept. 9, 1877. L 2016.

***Scollay square, B.;** at the junction of Tremont and Court streets, Cornhill and Tremont row; named Pemberton square, Feb. 19, 1838; name changed to Scollay square, June 25, 1838, in consequence of naming Phillips square Pemberton square; the site of Scollay's building which was taken by the city in 1870. L 580.

Scollay's building, B.; between Court and Tremont street, where Scollay square now is, 1809.

Sconce lane, B.; from Fort Hill to Battery March, 1708; called Sconce street, 1784; named Hamilton street, 1807.

Sconce street, B.; from Fort Hill to Batterymarch street; called Sconce lane, 1708; named Sconce street, 1784; name changed to Hamilton street, 1807.

***Scotia street, Rox.;** from Bothnia street to Dalton street; laid out, June 30, 1890. L 2236.

Scott alley, B.; from Ann (now North) street to Creek lane (now square); called Scottow's alley, 1708; named Scottalley, 1823.

Scott court, B.; from Suffolk street (now Shawmut avenue), south-east, near Roxbury line, 1835.

Scott court, B.; from Union street, west, toward Hanover street; called Minot's court, 1708; named Scott court, 1796; called Minot's court in Edes' list, 1800; a portion included in Friend street when extended from Hanover street to Union street, 1855; part between Friend street and Union street discontinued, March 23, 1857; what remained built over when Washington street was extended to Dock square in 1873. L 40, L 63.

Scott's court, Chsn.; from Chelsea street, north-westerly, near Medford street; same in 1875.

Scott place, So. B.; from East Fifth street, north, near N street.

- Scottow's alley**, B.; from Ann (now North) street to Creek lane (now square) 1708; named Scott alley, 1823.
- Sea street**, B., 1708; from Summer street to Windmill Point; from Summer street to South Boston Free Bridge, 1825; called Broad street, 1833; name changed to Sea street, 1842; changed to Federal street, 1856; East street, so called, on Hale's plan, 1819. Vol. 31, pp. 28, 54, 101. L 44, L 55.
- Sea-street bridge**, B.; from south end of Sea street to South Boston, 1828; now Federal-street bridge.
- Seaborn street**, Dor.; from Centre street to Kenwood street; authority to open, from Centre street to near Kenwood street, given by Street Commissioners, July 10, 1891.
- Seabury place**, B.; from Blossom street, opposite Fruit street, easterly, to Vine-street place, called Blossom-street place, 1843; named Seabury place, 1844.
- Sears place**, B.; from Anderson street, easterly; same in 1849 (from West Centre street, east, near May street).
- *Seattle street**, Bri., 1891; from Cambridge street across Hopedale street; authority to open "near the corner of Cambridge street and North Harvard street" given by Street Commissioners, July 10, 1891; laid out from Cambridge street to a point near and north-west of Hopedale street, May 5, 1892. L 2398.
- Seaver lane**, Bri.; from Washington street to South street; laid out by Selectmen, Aug. 1, 1842; accepted, conditionally, Nov. 28, 1842; laid out, Jan. 15, 1843; accepted, April 10, 1843; name changed to Foster street, Nov. 20, 1848; called by both names by record up to 1855.
- Seaver place**, B.; from Tremont street, west, between Eliot street and Warrenton street; called Nassau court, 1825; named Seaver place, 1844. L 406.
- *Seaver street**, E. B.; from Webster street to Sumner street; accepted and named, Oct. 7, 1853.
- *Seaver street**, Rox. and Dor.; from Walnut avenue to Erie street; named from Back street (now Walnut avenue) to Brush Hill turnpike (now Blue Hill avenue), May 9, 1825; name of Egleston square, from Walnut avenue to Washington street, changed to Seaver street, March 1, 1882; extended from Blue Hill avenue to Columbia street at new Seaver street, Dec. 27, 1882; name of New Seaver street, from Columbia street to Erie street, changed to Seaver street, March 1, 1889; Columbus avenue extended over part from Washington street to Walnut avenue, Jan. 4, 1895. [Part from Blue Hill avenue to Walnut avenue included in Franklin Park by Park Commissioners, March 27, 1893, and same part relocated as a public street by Street Commissioners, Dec. 4, 1894.] L 597, L 602, L 930, L 1313, L 1676, L 2653, L 2654, L 2655.
- *Seaverns avenue**, W. Rox.; from Centre street to Elm street; parts of shown as Roanoke avenue and Virginia avenue on map, 1849; extended through Starr lane and laid out as a public way, March 10, 1873. L 931, L 932, L 2503.
- *Sea-view street**, Rox.; from Blue Hill avenue to Maple street; name of Ashland street changed to Sea-view street, April 20, 1869; name of Sea-view street changed to Schuyler street, May 24, 1870.
- Sea-view street**, B. I.; from Orient avenue to Tower street.
- Second street**, B., 1809; from Leverett street to Copper street; Second street leading southerly from Leverett street, accepted and recorded as a public street, May 12, 1828; confirmed as a public street, Sept. 15, 1834; name changed to Napier street, April 25 1855; named Barton street, 1868.

Second street, B.; Fulton street, so called on S. P. Fuller's plan of March 27, 1826; laid out from a street (now Clinton street) to be laid out north of the stores on North Market street to another street leading to Ann (now North) street to be laid out through land of Robert G. Shaw, Feb. 22, 1828.

***Second street, So. B.;** from Dorchester avenue to City Point; laid out parallel with Broadway and named, Feb. 27, 1805; made passable from Turnpike street to Dorchester street, Nov. 7, 1831; part southerly of the Brewery and the upland on margin of flats discontinued, Sept. 7, 1835; opened from P street to City fences, June 18, 1849; laid out from Federal street (now Dorchester avenue) to Dorchester street, and thence to low-water mark, Nov. 17, 1868; parts east and west of Dorchester street, named East and West Second street, Feb. 18, 1873. L 8, L 43, L 216, L 265, L 486, L 556.

Second street, Chsn.; from Lynde street to railroad; laid out from Lynde street to Front street by Charlestown Wharf Company; laid out again and accepted, Dec. 20, 1848; discontinued and acquired by the Eastern (now Boston & Maine) R.R., under authority of an act of the Legislature, but still open for a short distance from Lynde street.

Second-street court, B.; from Second street, south, 1835; called Second-street place and Napier-street place, 1855; Napier place, 1868.

Second-street place, B.; from Second street, south, 1855; called Second-street court, 1835; Second-street place and Napier-street place, 1855; Napier place, 1868.

†Sedgwick street, W. Rox.; from John A. Andrew street to South street; part of Walker street from John A. Andrew street, to Elm street, laid out as Sedgwick street, Dec. 5, 1881; another part of Walker street, from Elm street to South street, laid out as Sedgwick street, Dec. 7, 1887. L 1575, L 2045.

***Selden street, Dor.;** from Milton avenue to Forest Hills avenue (now Morton street); laid out, Dec. 4, 1893. L 2556, L 2557.

Selkirk road, Bri.; from Kilsyth road, crossing Sutherland and Chiswick roads, to Commonwealth avenue.

Selma street, E. B. (Breed's Island); from Gladstone street to Orient avenue; Bromley's atlas, 1892; now called Orienta place.

Selwyn street, W. Rox.; from Walter street, north-west, then south-west, to Farquhar street.

Seminary place, Chsn.; from Lawrence street to Austin street; same in 1875; laid out as Seminary street, Aug. 9, 1888. L 2087.

***Seminary street, Chsn.,** 1888; from Lawrence street to Austin street; Seminary place laid out with name of Seminary street, Aug. 9, 1888. L 2087.

***Seneca street, B.;** from Harrison avenue to Albany street; called Erie street, 1844; named Seneca street, 1849; lower part of Seneca street, next to Albany street, accepted, Nov. 19, 1857. L 437, L 1535.

Seneca street, Rox.; from Dale street to Bower street; name changed to Laurel street, May 10, 1870.

Sentry Hill, B., 1708; afterwards Beacon Hill.

Sentry street, B.; from Beacon street, up Centrey Hill to the head of the present Temple street, 1708; called Century street, 1732; from Common (now Tremont) street to Beacon Hill, 1784; from the old Granary to the old Almshouse, 1800; the part north-west from Beacon street called Sumner (now Mt. Vernon) street, 1800; the part from Common street to Beacon street named Park street, 1803.

Sentry street, B.; a part of Sudbury street and a part of Queen (now Court) street were once so called.

- Separate lane, B.;** from Hanover street to the Mill-pond, 1722; name changed to Friend street, 1733.
- Seven Star lane, B.;** Summer street was sometimes so called, 1758-73.
- *Seventh street, So. B.;** from Dorchester avenue to Dorchester street, and from G street to City Point; laid out parallel with Broadway, and named, Feb. 27, 1805; laid out from Federal street (now Dorchester avenue) to Dorchester street, and from G street to low-water mark, Nov. 17, 1868; called East and West Seventh streets, Feb. 18, 1873. L 199, L 226, L 227, L 655.
- Seventh-street court, So. B.;** from East Seventh street, northerly, near O street.
- *Sever street, Chsn.;** from Haverhill street to Cambridge street; altered from Cambridge street to point opposite street (Gardner street) at westerly end of Sullivan square, Dec. 29, 1868; from Haverhill street to Kingston street accepted and named, June 28, 1870, L 1245.
- Sewall place, B.;** from Milk street, opposite Arch street; same, 1829 (from Milk street, north, opposite Morton place, now in Arch street).
- Sewall place, Rox.;** from Tremont street, southerly, near Parker street; laid out and extended to Delle avenue with name of Sewall street, March 3, 1891. L 2281.
- Sewall street, B.;** from Belknap (now Joy) street, west, 464 feet, parallel with Beacon street to Coventry street (now the easterly part of Walnut street), 1833; it ended at Coventry street, and Bishop-Stoke street ran from it to Beacon street; discontinued.
- *Sewall street, Rox.,** 1891; from Tremont street to Delle avenue; Sewall place laid out from Tremont street and extended to Delle avenue with name of Sewall street, March 3, 1891. L 2281.
- Sewall street, Dor.;** from Neponset avenue, easterly, between Boutwell street and Freeport street.
- Sewall's court, Chsn.;** from Arlington avenue, southerly, near Dorance street.
- Shailer avenue, Rox.;** from Roxbury street, opposite Putnam street, to Linden park, now Linden-Park street.
- *Shamrock street, Dor.;** from Dorchester avenue to Commercial (now Freeport) street; laid out, Aug. 2, 1883. L 1723.
- *Shannon street, Bri.,** 1892; from Washington street to Union street; Lexington avenue laid out with name of Shannon street, July 8, 1892. L 2412.
- Sharkey place, Chsn.;** from Beacham street, near corner of Arlington avenue, north-west.
- Sharon court, E. B.;** from Havre street, north-westerly, near Porter street.
- *Sharon street, B.;** from Harrison avenue to Albany street; named from Harrison avenue, opposite centre of Franklin square, to Roxbury channel in South bay, May 14, 1849; accepted, Oct. 30, 1860. L 213.
- Sharon street, W. Rox.;** from Brown avenue to Canterbury street; same in 1849. L 2308.
- Sharp court, Dor.;** from Mather street, southerly, parallel with Allston street to unnamed place; called Sharp street in Bromley's atlas, 1894; given in directory as from Mather street to Allston street.
- Sharp street, Dor.;** from Mather street; same as Sharp court.
- Shaving street, B.;** from Federal street, easterly, then southerly, to Mt. Washington avenue; from Tirrell's wharf, east of Federal street, to Mt. Washington avenue, 1855.
- Shaw street, W. Rox.;** from La Grange street to Cottage avenue.

***Shawmut avenue**, B., Rox., and W. Rox.; from Tremont street to Roxbury street; part of Suffolk street, which in 1849 was also called South Suffolk street, from Dover street to Roxbury line, named Shawmut avenue, Oct. 20, 1851; name of Williams street changed to Shawmut avenue, April 2, 1855; extended from Arnold street to Roxbury line, Dec. 18, 1855; laid out and located by County Commissioners from end of Shawmut avenue at Boston line a new street over land of Davis to end of Williams street at Williams court, through Williams street to Washington (now Roxbury) street, through Roxbury street to Winslow street (now Guild row), through Winslow street to Dudley street, and over Norfolk and Bristol turnpike (now Washington street) to Dedham village, June, 1857; named Shawmut avenue, from Boston to West Roxbury line, Dec. 28, 1857; part in West Roxbury named Shawmut avenue, Feb. 3, 1858; part in Roxbury known as Dedham turnpike (now Washington street) reconstructed March, 1858; line changed near Edinboro' (now Thornton) street and Marcella street, April, 1858; relocated between Boston line and termination of Williams street, June, 1858; all that part which lies in the city of Roxbury accepted by County Commissioners, May 2, 1859; altered at junction of Bartlett street, Dec. 31, 1860; widened and extended from Dover street to Tremont street, including that part of Suffolk street between Dover street and Castle street, Oct. 10, 1870; from Washington (now Roxbury) street to Dudley street, in front of Universalist Church, named Guild row, June 16, 1874; name of Shawmut avenue from Dudley street to Dedham line changed to Washington street, June 16, 1874. Between Tremont street and Dover street. L 56, L 545, L 547, L 548, L 549, L 562, L 563, L 564, L 565, L 653, L 715, L 720, L 724, L 726, L 756, L 762, L 792, L 1349. Between Dover street and Roxbury line. Vol. 31, pp. 2, 8; L 22, L 30, L 121, L 615, L 640. In Roxbury District. L 384, L 402, L 615, L 659, L 945, L 946, L 993, L 994, L 995, L 996, L 997, L 998.

Shawmut park, Dor.; from King street, south, between Dorchester avenue and Adams street.

Shawmut place, B.; from Washington street, opposite Lenox street, named, May 14, 1849; included in extension of East Lenox street, 1851.

Shawmut place, Rox.; from Shawmut avenue, south-easterly, between Madison street and Williams street; included in the extension of Sterling street from Shawmut avenue to Washington street, Oct. 4, 1884. L 1824.

Shawmut square, B.; between Washington. East Brookline, James, and East Newton streets; name changed to Franklin square, April 21, 1845.

***Shawmut street**, B.; from Pleasant street to Church street; from Pleasant street, west, 1825; to Church street, 1836; laid out, Sept. 25, 1868. L 387, L 397, L 475.

Shawmut street, W. Rox.; from Florence street to railroad; map, 1849.

Shawmut terrace, B.; from Shawmut avenue, south-easterly, between Northampton street and Camden street.

***Sheafe street**, B., 1806; from Salem street to Snow-Hill street; from Salem street to Snow street, 1732; confirmed as a public street, Sept. 15, 1834.

Sheafe street, Chsn.; from Cook street, north-westerly, then north-easterly, to Cook-street court.

Sheafe's lane, B.; from Newbury (now Washington) street to the Common, 1732; named 1788; name changed to Avery street, Oct. 21, 1826; called also Coleburne's lane at an early date.

Shedd street, Bri.; from Champney street, north-westerly.

- Sheep lane, B.;** Sheafe's lane erroneously so called in directory, 1789.
- Sheep Market, B.;** the west side of Faneuil Hall square, so called, 1708.
- Shelburne street, Dor.;** from Buttonwood street, easterly; included in Dorchesterway.
- *Shelby street, E. B.;** from Lexington street to Saratoga street; laid out, Oct. 9, 1877. L 1273.
- *Sheldon street, W. Rox.;** from Prospect avenue to Ashland street; same in 1874; laid out, Nov. 23, 1878. L 1336.
- *Shelton street, Dor.;** from Adams street to junction of Wrentham street and Bruce street; laid out, from Adams street, south-westerly, Sept. 19, 1882; extended to Wrentham street, Nov. 13, 1891. L 1639, L 2361.
- *Shenandoah street, Dor.,** 1892; from Carruth street to Wessex street; laid out, Nov. 3, 1892. L 2455.
- *Shepard street, Bri.;** from Washington street to Union street.
- Shepherd avenue, Rox.;** from Huntington avenue, south-easterly, near Heath street.
- Shepton street, Dor.,** 1896; from Shawmut park, westerly and easterly; authority to open given by Street Commissioners, June 23, 1896.
- Shepton terrace, So. B.;** from East Eighth street, between L street and M street, first south then east and west; called Shipton terrace in Bromley's atlas, 1891.
- *Sherborn street, Rox.,** 1894; from Commonwealth avenue to Charles river; laid out, Oct. 20, 1894. L 2633.
- Sherbrook place, } Rox.;** from Tremont street, north-easterly, be-
Sherbrooke place, } tween Phillips street and Faxon street; formerly
 called Cherry place.
- Sherburne's corner, B.;** at the bend in Beacon street, then the east end of School street, at the present corner of Beacon street and Somerset street, about 1800; called also Sears' corner.
- Sheridan avenue, Rox. and W. Rox.;** from Centre street to Curtis street (now Chestnut avenue); street leading from Centre street, near Day street, to Boylston street named Sheridan avenue, July 7, 1868; Sheridan avenue, laid out from Centre street to Chestnut avenue and named Sheridan street, July 7, 1883. L 1716.
- Sheridan court, Chsn.;** from Tufts street, westerly.
- Sheridan place, So. B.;** from West Fifth street, near B street, south-westerly.
- Sheridan street, Dor.;** from Minot street, south-easterly, to brook; same called Sheridan place in directories.
- *Sheridan street, W. Rox.,** 1883; from Centre street to Chestnut avenue; Sheridan avenue laid out with name of Sheridan street, July 7, 1883. L 1716.
- Sherlock street, Rox.;** from Lambert avenue to Clarence street.
- Sherman court, So. B.;** from West Broadway to Athens street, between D street and E street.
- Sherman place, B.;** from May (now Revere) street, 1847; probably Hill's court, 1867.
- Sherman place, B.;** the west part of South May (now Savoy) street so called, 1850; so on map of 1855.
- Sherman square, Chsn.;** from Mystic avenue, easterly, between Sherman street and Dorrance street; same in 1875.
- Sherman street, Chsn.;** from Mystic avenue, next to B. & M. R.R., north, to Somerville line.

- *Sherman street**, Rox.; from Bower street to Rockland street; laid out from Bower street to Dale street, Sept. 7, 1871; from Dale street, over Dale avenue, to Rockland street, Oct. 10, 1882. L 685, L 1646.
- Sherman street**, W. Rox.; from Poplar street opposite Augustus avenue, to Hawthorne street.
- Sherwin street**, B.; from Thorndike street near corner of Washington street, south-west.
- Sherwood street**, Rox.; from Bartlett street, crossing McGee street, to N.E. R.R.; shown on atlas, 1890.
- *Sherwood street**, W. Rox., 1886; from Ashland street to Florence street; Hancock street laid out with name of Sherwood street, Oct. 25, 1886. L 1956, L 1957.
- Ship street**, B.; from Fleet street to the North Battery, 1708; straightened, etc., 1713; name of portion of Lynn street, from the North Battery to Winnisimmet Ferry, changed to Ship street, 1800; street running from Faneuil Hall Market, through Ann, Fish, and Ship streets to North street named Ann street throughout, July 6, 1824; from Fleet street to Commercial street called Ann street, 1824; from the foot of Ann street to the Ferry changed to Commercial street, and the remainder included in Ann (now North) street, 1833.
- Shippie street**, Chsn.; from Adams street to Chelsea street; name changed to Townsend street, March 14, 1831; made part of Chestnut street, June 20, 1846.
- Shipton terrace**, So. B.; from East Eighth street, between L street and M street, south, then east and west; called Shepton terrace in directory, 1894.
- *Shirley street**, Rox.; from Dudley street to Norfolk avenue; laid out from Dudley street to George street, March 10, 1886; from George street to Norfolk avenue, Aug. 21, 1890. L 1791, L 1902, L 2257.
- *Shoe and Leather street**, B.; from Fulton street to Ann (now North) street; having been made by John D. Williams at his own expense and given by him to City; laid out as a public street; at his request named Shoe and Leather street, Oct. 10, 1842; laid out as John street, Feb. 2, 1869.
- Short lane**, B.; from North Bennet street, 1796; to Tileston street, 1833; called Short street, 1849; named Wiggin street, 1878.
- Short street**, B.; on Price's map, 1733, from the angle in Southac street, north-west, to the water; since discontinued.
- Short street**, B.; from Pond street to Essex street, 1708; across Essex street to the water, 1769; from Pond street to Essex street, 1800; confirmed as a public street, Sept. 15, 1834; name of Short street discontinued and Kingston street, extended through it to Beach street, April 1, 1839.
- Short street**, B.; from North Bennet street to Tileston street; a part from North Bennet street called Short lane, 1796; extended to Tileston street, 1833, and named Short street, 1849; name changed to Wiggin street, April 24, 1878.
- Short street**, E. B.; from Everett street to Maverick street.
- Short street**, E. B.; from Coleridge street to Cowper street.
- Short street**, So. B.; from Middle street to Tuckerman street.
- Short street**, Rox.: from Maple avenue (now Bellevue street) to Brookline avenue, formerly part of Appleton place.
- Short street**, Rox.; from Lawn street to Fisher avenue; laid out with name of Hayden street, June 28, 1886. L 1914.
- Short street**, Rox.; from Eustis street to Union street, 1849; extended to Dudley street, May, 1859; name changed to Winslow street, Dec. 17, 1860.

- Short street**, W. Rox.; from Mt. Vernon street to Walnut avenue (later Carl street, now Montview street); part of now known as Kirk street.
- Short street**, W. Rox.; from Washington street to Grove street; laid out with name of Stimson street, July 3, 1890. L 2238, L 2239.
- Short street**, W. Rox.; from Canterbury street to Dorchester line, 1849; now part of Berry street.
- Short street**, W. Rox.; from South street to Dedham turnpike (now Washington street); named, May 9, 1825; probably a public highway some time previous (now not shown).
- ***Short street**, Chsn.; from Bunker Hill street to Medford street; laid out and accepted, Aug. 21, 1860.
- Short-street court**, B.; rear of Short street, near Essex street, 1-27 name changed to Kington court or place, 1838.
- Short-street court**, Chsn.; from Short street, south-easterly.
- Short-street place**, Chsn.; from Short street, north-westerly.
- Short Second street**, B.; from Second street to Brighton street, 1849; called Napier street, 1855; called Little Napier street, 1855; named Barton court, 1868.
- Shreve street**, Dor.; from Norfolk street to Madison avenue; shown as Willowwood street on Bromley's atlas of Dorchester, 1894.
- Shrimpton's corner**, B.; corner of King (now State) street and Shrimpton's lane (now Exchange street), 1708.
- Shrimpton's lane**, B.; from Dock square to King (now State) street, 1708; called Exchange lane, 1789; sometimes called Royal Exchange lane; named Exchange street, 1816.
- Shrimpton street**, E. B., 1893; between Wood Island parkway and Prescott street; authority to open given by Street Commissioners, April 21, 1893.
- Shurtleff court**, Chsn.; from Rutherford avenue.
- Shute street**, B.; from Green street to Mr. Russell's ropewalk; Wiltshire street so called in Selectmen's list, 1788.
- Sidlaw road**, Bri., 1891; from Chestnut Hill avenue to Commonwealth avenue; authority to open given by Street Commissioners, Oct. 1, 1891.
- Sidney street**, Dor., 1895; from Kilton street, south-east, near Washington street; authority to open given by Street Commissioners, May 15, 1895; now called Rupert street.
- Sigel place**, Rox.; from Lamont street (formerly Linden avenue), west, near Vernon street; called Siegel court in directory, 1894.
- Sigourney place**, B.; from Hanover street, near Commercial street, westerly, then northerly; same in 1841.
- ***Sigourney street**, W. Rox.; from Walnut avenue to Glen road; laid out, May 19, 1884. L 1775, L 2134.
- Silva place**, Rox.; from Munroe street, southerly, near Hazelwood street.
- ***Silver street**, So. B.; from Dorchester avenue to G street, near West Broadway; accepted and laid out as public street, Nov. 29, 1852; opened and laid out from D street to E street, Sept. 18, 1861; extended Sept. 18, 1861; laid out from Dorchester avenue to A street, Sept. 1, 1871; laid out from A street to B street, Feb. 29, 1872; laid out from B street to C street, May 9, 1874; laid out from D street to E street, May 23, 1874; laid out from F street to Dorchester street, June 15, 1874; laid out from C street to D street, July 6, 1874; laid out from E street to F street, Sept. 29, 1874; laid out from Dorchester street to G street, June 5, 1876. L 166, L 645, L 646, L 742, L 925, L 933, L 938, L 968, L 1156, L 2746.

- Silver-street place**, So. B.; from Silver street, north-easterly, near Dorchester avenue.
- *Simmons street**, Rox.; from Clay (now Linden-Park) street to Vernon street; laid out, Sept. 6, 1886. L 1943.
- Simpkins' corner**, B.; corner of Ann (now North) street and Royall's alley, 1732.
- Simpson court**, B.; from Van Rensselaer place, southerly; same in 1851.
- Simpson's court**, So. B.; from East Second street, northerly, between O street and P street; same given as Lauten place in directory, 1884.
- Simpson's court**, Chsn.; from Pearl street, south-east, near Medford street.
- Sinclair place**, Bri.; from North Beacon street, north-easterly, near Everett street.
- Sinclair street**, Rox.; from Elm Hill avenue to Landseer avenue; shown on plan dated June 1, 1881; abandoned.
- Singleton street**, B.; from Thorndike street, between Washington street and Reed street, south-west.
- *Sister street**, B.; from Round lane (now Matthews street) north into Bury (now Channing) street, 1732; confirmed as a public street, Sept. 15, 1834; name changed to Leather square, Sept. 24, 1867. L 77, L 330.
- *Sixth street**, So. B.; from Dorchester avenue to Dorchester street and from H street to City Point; laid out parallel with Broadway and named, Feb. 27, 1805; extended, March 27, 1867; portion adjacent to track of O. C. (now N. Y., N. H. & H.) R.R. Company discontinued, June 19, 1867; laid out from Foundry street (at Dorchester avenue) to Dorchester street and from H street to low-water mark, Nov. 17, 1868; called East and West Sixth streets, Feb. 18, 1873. Vol. 31, p. 48. L 7, L 336, L 355.
- Sixth street**, Chsn.; from Lynde street to Front street, 1875; to the railroad, 1884; laid out and accepted, July 31, 1855; discontinued and acquired by the Eastern (now Boston & Maine) R.R., under authority of an act of the Legislature, but still open for a short distance from Lynde street.
- Sixth-street alley**, So. B.; from West Sixth street to Bowen street, between D street and E street.
- Skinner street**, W. Rox.; from South street, north-easterly, then north-westerly, to Fairview street; laid out, with name of Conway street, July 21, 1885. L 1875.
- Slate wharf**, B.; from Commercial street, northerly, between land and wharves of the Boston Gaslight Company and Atkins wharf (now the City of Boston north paving yard).
- Sleeper street**, So. B.; north-east (to N. E. R.R. piers), and south-west across Congress street, near Fort Point Channel.
- Sliding alley**, B.; from Charter street to Lynn street, 1708; opened for use of town in 1719, having been fenced in; on Bonner's map, 1722; called Foster's lane, 1741; called Fuller street on Carleton's map, 1795; called Brewer's Hill in Edes' list, 1800; named Foster street, 1803.
- Smith alley**, B.; from North street to Commercial street, 1841; called Smith place on chart, 1883.
- Smith avenue**, B.; from Kendall street to Hammond street.
- Smith avenue**, Dor.; a part of Union avenue so called on Moseley's plan, 1869.

- Smith court, B.;** from Joy street, westerly; called May's court, 1812; named Smith court, 1848.
- Smith court, Rox.;** from Smith street, south-westerly, to Smith place (now Nichols or Nicholson court); called Smith-street court on chart, 1873; Smith-street place on chart, 1890.
- Smith place, B.;** from North street, south-easterly, to Commercial street; called Smith alley, 1841.
- Smith place, B.;** from Joy street, westerly; from Belknap (now Joy) street, west, south of Belknap place, 1842.
- Smith place, So. B.;** from West Fourth street to Silver street, between B street and C street.
- Smith place, Rox.;** from Phillips street, north-westerly, crossing the end of Smith court; same given Nichols court in 1884; given as Nicholson court in Directory of 1894 and in Bromley's atlas, 1890.
- *Smith street, Rox.;** from Parker street to Huntington avenue; laid out on chart, 1874, from Parker street to land of Redemptorist Fathers; extended to Bumstead lane, (now St. Alphonsus street,) Nov. 23, 1874; extended from Bumstead lane to Huntington avenue, April 27, 1891. L 986, L 2038, L 2289.
- Smith street, Rox.;** from Centre street down the hill to Worcester turnpike (now Roxbury street); named, May 9, 1825; name changed to Gardner street, Oct. 29, 1860.
- Smith street, Bri.;** from North Harvard street, near Western avenue, south-easterly, across Duck lane.
- Smith-street court, Rox.;** from Smith street, south-westerly, to Nichols (or Nicholson) court (formerly Smith court); same given Smith court on chart, 1873; Smith-street place, chart, 1890.
- Smith-street place, Rox.;** from Smith street, south-westerly, to Nicholson court (formerly Smith court); called also Smith-street court and Smith court.
- Smith's corner, B.;** corner of Fish (now North) street and Moon street, 1800.
- *Smyrna street, Rox.;** from Brookline avenue to Binney street; the part of private way called Park street, from Brookline avenue to Binney street, laid out and named Smyrna street, May 17, 1882. L 1610.
- Snelling place, B.;** from Hull street, north-easterly; same in 1844.
- Snow Hill, B.;** at the northern extremity of the town; later called Copp's Hill.
- Snow street, B.;** from Prince street to Hudson's Point, at foot of Charter street; Snow-Hill street so called on Bonner's map, 1722; also in list of 1732, and in Records, February, 1738.
- Snow-Hill avenue, B.;** from Snow-Hill street, west, opposite Sheafe street, 1830; exchanged for land to widen Prince street with Boston Gas Light Company, Dec. 8, 1866, and included in their land. L 151.
- Snow-Hill court, B.;** from Snow-Hill street, north-west, 1836; built over by Boston Gas Works.
- Snow-Hill place, B.;** from Snow-Hill street, south-easterly, next to Prince street; same in 1839.
- *Snow Hill street, B.;** from Prince street to Charter street; from Prince street to the end of Ferry-way by Hudson's Point, 1708; called Snow street in 1722, 1732, 1738; from Charlestown bridge up to the burying-ground on Copp's Hill, 1800; from Prince street across Copp's Hill to Charter street, 1817; laid out between Hull street and Charter street, April 10, 1837.
- Snow's court, Dor.;** from Chickatawbut street to Pierce avenue; laid out, June 5, 1867; located as Plain street, March 2, 1868.

- *Soley street**, Chsn.; from Warren street to Monument square; new street laid out in place of Henley's lane and named Soley street, Dec. 24, 1850.
- Soley's lane**, Chsn.; mentioned, Nov. 14, 1782; no bounds given, no other mention.
- Somerset court**, B.; from Somerset street, west, 1809; name changed to Ashburton place, Nov. 13, 1845; extended to Bowdoin street in 1846.
- Somerset place**, B.; from Somerset street to Middlecot (now Bowdoin) street, 1807; from Somerset street to Bulfinch street, 1817; confirmed as a public way, Sept. 15, 1834; name changed to Allston street, Dec. 19, 1842.
- Somerset place**, B.; from Prince street, north-easterly, between Hanover street and Bennet avenue; given in directories, Samoset place.
- *Somerset street**, B.; from Beacon street to Howard street; from Southac's court (now Howard street) to Beacon street, at Sherbourne's or Sears' corner, 1803; confirmed as a public street, Sept. 15, 1834. L 249, L 1876.
- Sonoma street**, Rox., 1892; from Maple street to Elm Hill avenue; authority to open given by Street Commissioners, June 16, 1892.
- †Sorrento street**, Bri., 1891; near the corner of Cambridge street and North Harvard street; authority to open given by Street Commissioners, July 10, 1891; laid out north-westerly from Cambridge street, May 6, 1892; from Cambridge street, north-westerly, across Hopedale street, 1894. L 2397.
- Soudan street**, Dor.; from Sydney street, west, crossing Sagamore street; Bromley's atlas, 1894; authority to open under name of Sudan street given by Street Commissioners, May 13, 1895.
- South battery**, B.; east of Fort Hill, near the junction of the present Purchase street and Broad street, 1722.
- South bridge**, B.; from Front street (now Harrison avenue) to South Boston, 1805; called Dover-street bridge, 1839.
- South ferry**, B.; from the end of Eastern avenue to East Boston.
- South row**, B.; on Marlboro' (now Washington) street, opposite School street, next north of the Old South Church, 1755-1824.
- *South street**, B.; from Summerstreet to Lehigh street; from Summer street to the sea, 1708; Town slip carried out from the lower end of South street, April 14, 1712; extended to Beach street, Dec. 26, 1837; accepted from Beach street to Kneeland street, May 17, 1849; accepted from Kneeland street to Lehigh street, Nov. 15, 1852. Vol. 31, p. 90. L 948, L 1083, L 1449, L 1471, L 1596, L 1597.
- South street**, Dor.; from Commercial (now Freeport) street to Pleasant street (Commercial Point); from Commercial street to the water; given as a part of Preston street on Directory map and chart, 1884.
- *South street**, W. Rox.; from Centre street, near Eliot street, to Centre street, near Church street; laid out from Centre street to Blue Marsh, Jan. 19, 1662; confirmed in 1685; extended in 1687; named from Center street, near Rev. Mr. Gray's Meeting-house, to Center street, near Rev. Mr. Flagg's Meeting-house, May 9, 1825; altered at Centre street, Sept. 27, 1871; relocated northerly from Washington street, Feb. 24, 1880. [A part near and north-east of Ashland street included in Dedham turnpike (now Washington street), 1808.] L 1436, L 2116, L 2277, L 2678, L 2736.
- *South street**, Bri.; from Chestnut Hill avenue to Commonwealth avenue; named from Rockland street (now Chestnut Hill avenue) to Newton line, June 15, 1840; Commonwealth avenue extended over South street, from Chestnut Hill avenue to Newton line, Jan. 5, 1895. L 2651, L 2652.

- South-street court**, B.; from South street, east, opposite Essex street, 1818; included in extension of Essex street, from South street to Federal street, May 5, 1880. L 1450.
- ***South-street place**, B.; from South street, west, 1826; afterwards to Lincoln street; accepted and laid out as a public street, Oct. 22, 1855; name changed to Tufts street, Dec. 18, 1855.
- Southac court**, B.; from Southac (now Phillips) street, south, 1826; named Phillips court, 1866.
- Southac place**, B.; from Phillips (formerly Southac) street, southerly, near West Cedar street; same from Southac street, south, in 1841.
- Southac street**, B.; from Butolph (now Irving) street, nearly to the water, thence south to Beacon street, 1733; the portion of Southac street now called West Cedar street, south of the present Phillips street, was called George street in 1810; from Butolph street to George street, 1810; confirmed as a public street, Sept. 15, 1834; name changed to Phillips street, Feb. 6, 1866.
- Southac's court**, B.; from Tremont street, opposite Hanover street, west, in 17-2; named, 1732; from Court street, opposite the Orange Tree, westward, to Dr. Bulfinch's pasture, 1788; laid out, Oct. 2, 1816; from Court street to Bulfinch street, 1817; called Howard street from Tremont row to Bulfinch street, April 11, 1821.
- South Allen court**, B.; from South Allen street, south, 1822; name changed to McLean court, 1829.
- South Allen street**, B.; from Wiltshire (now Chambers) street, west, 1784; called Thirty-feet passage, west, to Mr. Dunn's, 1800; by directory plan, 1805, extends west to the water; from Wiltshire street, west, to Capt. Dunn's, 1807; accepted and name changed to McLean street, in honor of the benefactor of the General Hospital, to which it is a principal avenue, Dec. 22, 1828.
- South Bennet place**, B.; from South Bennet street, north, 1858 called Bennet place 1816 and 1880.
- South Bennet street**, B.; from Washington street to Harrison avenue; Bennet street was sometimes so called.
- South Bridge street**, B.; from Washington street to the South bridge (now Dover-street bridge), 1825; confirmed as a public street, Sept. 15, 1834; sometimes called Bridge street and East Dover street; name changed to Dover street, Nov. 10, 1834.
- South Cedar place**, B.; from Winchester street, southerly, between Church street and Pleasant street; see South Cedar-street place. L 392.
- South Cedar street**, B.; from Pleasant street, west, to Ferdinand street, 1825; accepted and laid out as a public street, Nov. 8, 1852; name changed to Winchester street, July 7, 1869. L 391, L 392, L 393, L 394, L 396, L 438.
- South Cedar-street place**, B.; from Winchester street, southerly, between Church street and Pleasant street; called Cedar-street place on chart, 1883; called Cedar-street court, 1831; Cedar-street place, 1840; South Cedar-street place, 1857. L 392.
- South Dennis street**, Rox.; from Warren street to Dorchester line, 1849; named Quincy street, June 2, 1851, but order not carried out; Dennis street from Grove Hall avenue, opposite Quincy street in Dorchester, to Warren street, named Quincy street, Oct. 13, 1856.
- ***South Eden street**, Chsn.; from Main street to Rutherford avenue; laid out and named, April 26, 1871.
- Souther's corner**, B.; corner of Milk street and Bishop's alley (now Hawley street), 1708.
- Southern avenue**, Dor.; from Washington street to Bernard street.

- †**South Fairview street**, W. Rox.; from South street, south-west, then west, crossing Brookfield street and South Walter street; laid out from South street to South Walter street, March 30, 1895. L 2710.
- South Foster place**, B.; from Tremont street, west, between Boylston street and Eliot street, 1831; name changed to Van Rensselaer place, 1852.
- South Hanover place**, B.; from Hanover street, south-easterly, between Court street and Elm street, 1849; closed in 1853.
- South Harvard street**, Bri.; from Cambridge street, opposite Franklin street, to Brookline line; name of Cedar street changed to South Harvard street, Nov. 10, 1846; named Harvard avenue, Dec. 30, 1873.
- South Huntington avenue**, Rox., 1896; from Heath street to Castle-ton street; authority to open given by Street Commissioners, March 18, 1896.
- South Latin School street**, B.; School street so called in 1789.
- South Lowell street**, B.; from Shawmut avenue to Tremont street, 1848; name changed to Milford street, May 14, 1849.
- ***South Margin street**, B.; from Pitts street to Prospect street; laid out across the Mill-pond and named, Aug. 3, 1807. L 1221.
- ***South Market street**, B.; from Merchants' row to Atlantic avenue; laid out and named from Merchants' row by south side of Faneuil Hall Market to Commercial street, March 30, 1825; extended from Commercial street to Atlantic avenue, including street 40 feet wide known as City wharf, April 2, 1872. L 46, L 614, L 785.
- South May street**, B.; from Washington street to Harrison avenue; same in 1830; the west part called Sherman place on maps, 1850-1855; laid out with name of Savoy street, Nov. 29, 1892. L 2465.
- South Quincy place**, Chsn.; from Quincy street, north-west between Wellington place and North Quincy place.
- ***South Russell street**, B., 1795; from Cambridge street to Myrtle street; named from Cambridge street, south to May (now Revere) street, 1802; from Cambridge street to Myrtle street, 1806.
- South Short street**, Chsn.; from Short street, north-west between Bunker Hill street and Short-street place.
- Southside park**, Dor.; from Ashmont street, south, near Carruth street; appears on Bromley's atlas of 1894 as Arundel park.
- South Suffolk street**, B.; part of Suffolk street (now Shawmut avenue), from Dover street to Roxbury line, so called in 1849.
- South Walter street**, W. Rox.; from South street to South Fairview street. L 2709.
- ***South Williams street**, B.; from Washington street to Shawmut avenue, 1842; on petition for acceptance, Oct. 14, 1867, decided to be public, having been kept open for public use more than twenty years; name changed to Pelham street, Jan. 4, 1868.
- ***Southwood street**, Rox.; from Blue Hill avenue to Edgewood street; laid out, Aug. 17, 1891. L 2326.
- South Worthington street**, Rox.; from Tremont street, south-west, opposite Worthington street; also called Worthington place.
- Sowden's Hill**, W. Rox.; part of Poplar street, between its junction with Canterbury street and Beech street, so called in 1859.
- Sowdon avenue**, W. Rox., 1896; from Poplar street opposite Hillburn street, north-east.
- Spalding street**, W. Rox., 1894; from South street, near Morton street; authority to open given by Street Commissioners, Nov. 8, 1894.

- Sparhawk avenue**, Bri.; from Cambridge street to Sparhawk street; laid out, with name of Elko street, Aug. 10, 1893. L 2526.
- Sparhawk street**, Bri.; from Cambridge street to Market street; same in 1875; laid out, May 7, 1877. L 1240.
- ***Sparrow street**, W. Rox.; from Cottage avenue, across Partridge street.
- Spear alley**, B.; from Purchase street to Atlantic avenue; same in 1826.
- †**Spear place**, B.; from Pleasant street, near Washington street, south-westerly, then north-westerly; same in 1838. L 549.
- Spear's wharf**, B.; from Atlantic avenue, south-easterly, near foot of Oliver street.
- Speedwell street**, Dor., 1893; near the south-east corner of Bowdoin street and Toppliff street; authority to open given by Street Commissioners, Aug. 29, 1893; from Toppliff street to Barrington street, south of Bowdoin street.
- †**Spencer street**, Dor.; from Park street, south-easterly, crossing Wheatland avenue; laid out from Park street to Wheatland avenue, Dec. 28, 1893. L 2578.
- Spice court**, Chsn.; from Cambridge street, south-easterly, to near B. & M. R.R.; called Spice street on City map, 1891, and in Bromley's atlas of Charlestown of 1892.
- Spinney street**, W. Rox.; from Sparrow street to Cowing street.
- Sprague street**, B.; from Washington street to Harrison avenue; laid out, June 20, 1855; named changed to Parker street, Jan. 29, 1856; named Rollins street; 1868. L 35.
- ***Sprague street**, Chsn., 1892; from Bunker Hill street to Princeton street; Jerome place laid out from Bunker Hill street, and extended to Princeton street, with name of Sprague street, Aug. 11, 1892. L 2482.
- Spring court**, Rox.; from Fellows street, easterly, between Webber street and Hunneman street.
- ***Spring lane**, B.; from Washington street to Devonshire street; from Cornhill (now Washington street) to Joylieff's lane (now Devonshire street), 1708. L 423, L 2451.
- Spring lane**, W. Rox.; from Lamartine street to Chestnut avenue; same in 1874.
- ***Spring street**, B.; from Leverett street to Allen street; from Leverett street, west, to Wiltshire (now Chambers) street, 1733; from Leverett street to Poplar street, 1806; from the Almshouse to Poplar street, 1817; laid out and named, Oct. 24, 1825; accepted, and recorded as a public street, May 12, 1828; confirmed as a public street, Sept. 15, 1834.
- Spring street**, Dor.; from Savin Hill avenue to Bay street.
- ***Spring street**, W. Rox.; from Centre street to Dedham line; named from Center street to Baker street, May 9, 1825; probably a public highway some time previous; from Baker street to Dedham line by annexation from Dedham; Selectmen authorized to petition County Commissioners to lay out Spring street 50 feet wide from Centre street to Charles river or to Dedham line, Sept. 8, 1873. L 2488.
- Spring street**, Bri.; from Market street to Dustin street; same in 1875.
- Spring-street court**, B.; from Spring street, north-west, near corner of Allen street.
- Spring terrace**, Rox.; from Bower street, south-west, between Humboldt avenue and Sherman street.
- Springdale street**, Dor.; from Savin Hill avenue, next to N. Y., N. H. & H. R.R., south-west, then south-east, then curving southerly to Dorchester bay.

- Springer court**, So. B.; from East Eighth street to East Seventh street; laid out, with name of Springer street, June 10, 1885. L 1861.
- ***Springer street**, So. B., 1885; from East Seventh street to East Eighth street; Springer court laid out, with name of Springer street, June 10, 1885. L 1861.
- ***Springfield street**, B.; from Albany street to Columbus avenue; laid out on the Neck, from Washington street, west, July 24, 1826; the fifteenth of the new streets leading from Tremont street to Front street (now Harrison avenue) named Springfield street, Sept. 15, 1834; extended to Albany street, 1854; accepted, Dec. 7, 1857; accepted, Oct. 30, 1860; from Washington street to Albany street called East Springfield street; and from Washington street to Columbus avenue called West Springfield street, April 21, 1868. L 176, L 212, L 261, L 303.
- ***Spring Garden street**, Dor.; from Crescent avenue to Harbor View street; laid out, June 23, 1876. L 1159.
- ***Spring Park avenue**, W. Rox.; from Centre street to Chestnut avenue; laid out as a town way from Centre street to Chestnut street (now Chestnut avenue), Aug. 21, 1873; accepted by Town, Sept. 8, 1873.
- Spring-street court**, B.; from Spring street, north-westerly, to and across Poplar court; same in 1827 (from Spring street, west).
- Spring-street place**, B.; from Spring street, south, to Chambers street, 1828; included in Chambers street extended to Spring street, Jan. 6, 1872. L 732.
- Springvale avenue**, W. Rox.; from Spring street, northerly, then westerly, to Marshall street.
- ***Spruce street**, B.; from Beacon street, opposite the Common, to Chestnut street; same in 1822; confirmed as a public street, Sept. 15, 1834.
- Spruce street**, W. Rox.; from Florence street to Bourne street; same in 1874; laid out, with name of Catharine street, Dec. 28, 1893.
- ***Spurr street**, Bri., 1884; street connecting North Harvard street and Western avenue; named Spurr street, March 1, 1884.
- St. Alphonsus avenue**, Rox.; from Whitney street, south-east, to St. Alphonsus street.
- ***St. Alphonsus street**, Rox., 1893; from Huntington avenue to Calumet street; Bumstead lane laid out, with name of St. Alphonsus street, Dec. 20, 1893; extended over a private way and Delaware street to Calumet street, Sept. 23, 1895. L 2563, L 2564, L 2565, L 2734.
- ***St. Botolph street**, B. and Rox.; from Irvington street to Gainsborough street; given on chart, 1883, from B. & A. R.R., north-east of unnamed extension of Yarmouth (now Irvington) street, south-westerly to West Chester park (now Massachusetts avenue) and Camden (now Gainsborough) street; laid out from West Newton street to West Chester park, Jan. 19, 1880; extended from West Newton street to Harcourt street, Dec. 27, 1882; from Harcourt street to Irvington street, April 10, 1884; laid out from Massachusetts avenue to Gainsborough street, June 30, 1896. L 1428, L 1679, L 1766, L 2191, L 2774.
- St. Catharine street**, Rox.; from Parker street, east, between Centre street and Bromley park.
- ***St. Charles street**, B.; from Chandler street, northerly, to B. & A. R.R.; named, Dec. 5, 1871; laid out, Oct. 15, 1874. L 972.
- St. Germain street**, Rox., 1894; from Massachusetts avenue to Dalton street; Cromwell street laid out, with name of St. Germain street, Sept. 14, 1894. L 2618.

- St. Gregory's court**, Dor.; from Dorchester avenue, north-westerly, near Richmond street.
- St. James avenue**, B.; from Berkeley street to Huntington avenue; name of St. James street, from Berkeley street to Clarendon street, changed to St. James avenue, April 21, 1868; laid out, from Clarendon street to Huntington avenue, May 6, 1876; laid out, from Dartmouth street to Exeter street, Aug. 27, 1877; name of part between Huntington avenue and Exeter street changed to Blagden street, March 1, 1889. L 309, L 374, L 862, L 1147, L 1266, L 1699.
- St. James Park**, B.: from St. James avenue, southerly to the B. & P. (now N. Y., N. H. & H.) R.R.; now called Trinity place.
- St. James place**, Rox.; from St. James street, south-westerly, between Washington street and Alpine street.
- *St. James street**, B., from Berkeley street on Back Bay land, 1860; laid out from Berkeley street to Clarendon street, April 7, 1868; name changed to St. James avenue, April 21, 1868.
- *St. James street**, Rox.; from Warren street to Washington street; accepted, conditionally, Oct. 12, 1847; conditions complied with, July 31, 1848. L 863.
- St. James terrace**, Rox.; from St. James street, north-easterly, near Alpine street.
- St. John avenue**, E. B. (Breed's Island); from Walley street, west, then south, to Water avenue; shown in Bromley's atlas, 1892.
- *St. John street**, W. Rox.; from Centre street to Rockview street; laid out, Oct. 25, 1886. L 1958.
- *St. Joseph street**, W. Rox., 1892; from South street to Woodman street; St. Thomas street laid out, with name of St. Joseph street, Nov. 21, 1892. L 2458.
- St. Mark street**, W. Rox.; from South street, near Morton street, to Percy street.
- St. Martin street**, Chsn., 1896; from Bunker Hill street to Medford street; Quincy street, laid out, with name of St. Martin street, May 11, 1896. L 2762.
- St. Mary's street**, Rox.; from Brigh'on (now Commonwealth) avenue to Brookline Branch R.R.; included in Brookline when boundary line was changed in 1872.
- *St. Paul street**, Rox.; from Falmouth street to Norway street; laid out from Falmouth street to Caledonia (now Norway) street, May 7, 1889. L 2128.
- St. Paul's row**, B.; Common (now Tremont) street, near St. Paul's Church, 1826-30.
- *St. Stephen street**, Rox., 1892; name of that part of Falmouth street, south-west of West Chester park (now Massachusetts avenue), changed to St. Stephen street, March 1, 1892. L 1296, L 1322, L 2129.
- *Stacey street**, Chsn., 1889; from Main street to Dunstable street; Williams street laid out, with name of Stacey street, Oct. 7, 1889. L 2178.
- *Stafford street**, Rox.; from Blue Hill avenue to Dennis street; laid out, Dec. 22, 1870. L 593.
- Stanburys corner**, B.; "nigh the Mill Bridge, 1708."
- Standard street**, Dor., 1895; from River street, north-west, to beyond Manchester street.
- Standish avenue**, Dor.; from Park street to Harvard street; laid out, with name of Standish street, June 7, 1887. L 1993.
- Standish court**, B.; from Pitts street, west, near South Margin street; called Standish place, 1845; Standish court, 1874; Standish place on chart, 1883.

- ***Standish street**, Dor., 1887; from Harvard street to Park street; Standish avenue laid out, with name of Standish street, June 7, 1887. L 1993.
- Stanhope place**, B.; from Phillips street, southerly, between Garden street and Anderson street; same in 1857 (from Southac street, south).
- ***Stanhope street**, B.; from Berkeley street, south-westerly, crossing Morgan street, then westerly; from Berkeley street, west, near Columbus avenue, 1866; laid out, Dec. 16, 1891. L 2375.
- Staniford court**, B.; from Staniford place, south, 1849.
- Staniford place**, B.; from Staniford street, south-easterly, between Cambridge street and Green street; same as in 1830.
- ***Staniford street**, B.; from Cambridge street to Causeway street; from Cambridge street to Green street, in 1722; named, 1732; from Cambridge street across Green lane (now Green street) to Leverett place, 1817; part from Green lane to Leverett place, afterwards Lyman street; no other mention of its being called Staniford street; extended from Green street, including parts of Lyman street and Chilson place, to Causeway street, May 11, 1886. L 1905.
- Stanley avenue**, E. B. (Breed's Island); from Ashley avenue to Belle Isle Inlet; Bromley's atlas, 1892.
- Stanley place**, Chsn.; from Bow street, north-easterly, near Washington street.
- †**Stanley street**, Dor., 1889; from Bellevue street to Sunset circle; Bellevue terrace laid out from Quincy street, south-west, crossing Kane street, with name of Stanley street, June 19, 1889; authority to open portion from Bellevue street, south-westerly, given by Street Commissioners, Oct. 14, 1896. L 2137.
- Stanmore place**, Rox.; from Warren street, opposite Dunreath place (now street), south-westerly, then north-westerly.
- Stanton avenue**, Dor.; from Norfolk street to Evans street; laid out with name of Stanton street, Feb. 8, 1889. L 2112.
- Stanton place**, Rox.; from Walnut avenue at its junction with Warren street, north-west.
- ***Stanton street**, Dor., 1889; from Norfolk street to Evans street; Stanton avenue, laid out, with name of Stanton street, Feb. 8, 1889. L 2112.
- Stanwood avenue**, Dor.; from Blue Hill avenue to Columbia street; laid out, with name of Stanwood street, July 11, 1885. L 1869, L 1870.
- ***Stanwood street**, Dor., 1885; from Columbia street to Blue Hill avenue; Stanwood avenue laid out as Stanwood street, July 11, 1885. L 1869, L 1870.
- Stark street**, Chsn.; from Cambridge street, opposite Parker street, to Roland street.
- Starr lane**, W. Rox.; from Centre street to Seaverns avenue; Virginia avenue, from Centre street to Roanoke avenue (now Elm street), 1849; Seaverns avenue extended through a part of Starr lane to junction of Elm street and Gordon street, March 10, 1873; from Gordon street to Starr (now Call) street, called Everett street, Dec. 4, 1877; same given as a part of Starr street on chart, 1874. L 2503.
- Starr street**, W. Rox.; from Gordon street to Keyes street; altered and constructed, March 10, 1873; part of, together with a part of Union avenue, named Call street, Dec. 4, 1877, and other part called Everett street, same date. L 1028, L 1029.
- ***State street**, B.; from Washington street to Long wharf; from Cornhill (now Washington street), both sides of the Town-House, east, to the sea, called King street, 1708; named State street, 1784; ex-

- tended and named from Chatham row to Commercial street, April 13, 1858; extended along north side of State-street block and accepted, conditionally, April 13, 1858; extended to Atlantic avenue, March 27, 1876. L 134, L 262; L 1137, L 2113, L 2792.
- State House avenue**, B., 1827; from Beacon street, by the west side of the State House to Sumner (now Mt. Vernon) street, 1827; called also Hancock avenue.
- Station square**, W. Rox.; at the Mount Hope station, on the Providence division of the N.Y., N. H. & H. R.R.
- *Station street**, Rox.; from Tremont street (now Columbus avenue) to Parker street; laid out, May 26, 1880. L 1463.
- Stedman place**, B.; from Washington street, east, next south of Kneeland street, 1859; closed in 1862.
- Stedman street**, W. Rox.; from Williams street, south-westerly, between Washington street and Forest Hills street, crossing Keyes street and Lotus place.
- Steele's court**, B.; from Chambers street, near Poplar street, 10 Leverett street, 1849; named Hammond avenue, 1850.
- *Sterling street**, Rox.; from Washington street to Tremont street; laid out from Shawmut avenue to Warwick street, Sept. 1, 1871; extended to Cabot street, Oct. 9, 1883; name of Transit street, from Cabot street to Newbern street, changed to Sterling street, March 1, 1884; name of Newbern street, with a part of said Newbern street, to Tremont street, changed to Sterling street, March 1, 1884; extended from Shawmut avenue, over Shawmut place, to Washington street, Oct. 4, 1884. L 659, L 667, L 1559, L 1726, L 1824.
- Stetson court**, Chsn.; from Henley street, north-westerly, near Park street; same by chart, 1875.
- Stetson place**, B.; from West Cedar street, westerly, near Cambridge street; same in 1860.
- *Stevens street**, B.; from Shawmut avenue to Lincoln place; same in 1864; laid out, Oct. 9, 1877. L 1276
- Stevens's corner**, B.; corner North (now Hanover) street and Love lane (now Tileston street), 1708; called Stephen's corner, 1732.
- Stewart street**, So. B. (proposed); from Dorchester avenue to Richardson avenue (proposed).
- Still-House square**, B.; from the foot of Hawkins street by the Distill House to the Mill-pond, thence southerly to Sudbury street, 1743; named Adams street, 1846; now Bowker street; called also Distill-House square and Distillers square.
- Stillman place**, B.; from Stillman street to Cooper street; same in 1825.
- *Stillman street**, B.; from Salem street to Charlestown street; laid out over the Mill-pond, 1807; from Back (now Salem) street to the Mill-pond, 1821; accepted, conditionally, Nov. 15, 1830; confirmed as a public street, Sept. 15, 1834; from Salem street to Charlestown street, 1835.
- *Timson street**, W. Rox., 1890; from Grove street to Centre street; laid out, including Short street (between Grove street and Washington street), July 3, 1890. L 2238, L 2239.
- Stockmeath street**, Dor.; from Eaton street to Bloomington street.
- *Stockton street**, Dor., 1886; from Washington street to Milton avenue; Emery street laid out, with the name of Stockton street, Dec. 10, 1886. L 1965.
- *Stoddard street**, B.; from Howard street to Court street; shown, 1722; called Stoddard's lane, from Cambridge (now Court) street to Southack's court (now Howard street), 1732; called Fitch's

- lane, 1788 to 1800; Stoddard's lane named Stoddard street, Oct. 19, 1829.
- Stone place**, Chsn.; from Edgeworth street, north-westerly, near Bunker Hill street.
- ***Stone street**, Chsn.; from Princeton street to Medford street; Princeton-street court extended from Princeton street to Medford street and laid out with name of Stone street, June 13, 1871.
- Stonehurst street**, Dor., 1893; near the south-east corner of Bowdoin street and Topliff street; authority to open given by Street Commissioners, Aug. 29, 1893; from Topliff street to Barrington street, south of Bowdoin street.
- Stony Brook avenue**, W. Rox.; from Brown avenue to Bourne street, 1849; later a part of Florence street.
- Stony Brook place**, Rox.; from Centre street, easterly, near Amory street.
- Stony Brook street**, W. Rox.; from Williams street, south-east of and near Washington street, parallel with Stony Brook, to Keyes street.
- Stormont street**, Rox.; from Elm Hill avenue to Landseer avenue, on plan dated June 1, 1881; now abandoned.
- Story place**, B.; from State street, west, between Devonshire street and Congress street, 1845; part of Half-square court; now Congress square.
- Story place**, W. Rox.; from Greenough avenue, south-west, then west, near Centre street.
- Story street**, So. B.; from Dorchester avenue, crossing Washington avenue (proposed), to Richardson avenue (proposed).
- ***Story street**, So. B.; from G street, between East Fifth street and East Sixth street, with proposed extension to H street; called Bird lane, 1857; Story street, 1873; laid out, from G street to H street, June 30, 1890. L 2237.
- ***Stoughton street**, B.; from Harrison avenue to Albany street; between East Concord street and East Newton street; named from Harrison avenue, opposite Burying-ground, to Roxbury Channel in South bay, May 14, 1849; accepted, Oct. 30, 1860.
- ***Stoughton street**, Dor.; from Upham's corner to Pleasant street; altered near Deacon James Humphrey's house, April, 1800; street from Roxbury line through Burying-place lane called Stoughton street, March 11, 1840; altered near Brook street and Cottage (now East Cottage) street, June, 1856; widened to about 60 feet, October, 1871; name of part from Brook avenue to Upham's corner changed to Dudley street, June 30, 1874. L 702, L 703, L 704, L 705, L 706, L 707, L 757, L 758, L 782, L 783, L 784, L 880.
- Stoughton-street place**, Dor.; from Stoughton street, south, near Everett avenue.
- Stratford avenue**, Dor., 1893; between Anawan avenue and the N. Y., N. H. & H. R.R.; authority to open given by Street Commissioners, Nov. 17, 1893.
- Stratford street**, Dor., 1893; from Waldeck street, west, between Park street and Linsey street, near the Shawmut branch of the O. C. (now N. Y., N. H. & H.) R.R.; authority to open given by Street Commissioners, Jan. 18, 1893.
- Strathmore road**, Bri., 1891; between Chestnut Hill avenue and Brookline line; authority to open given by Street Commissioners, Oct. 1, 1891; formerly called Elm avenue; also Argyle road.
- Stratton street**, Bri.; from Bigelow street.
- Strong place**, B.; from Cambridge street, south, between Anderson street and Grove street.

- Studley place, B.;** from Eliot street, north, near Pleasant street; same in 1870.
- *Sturbridge street, Dor.,** 1890; from River street to Sanford street; laid out, Dec. 18, 1890. L 2275.
- Sturgis place, B.;** from Pearl street, east, near Milk street, 1833; included in Sturgis street, July 23, 1869; now Franklin street. L 459.
- Sturgis street, B.;** from Pearl street to Broad street, including Baker's alley, Sturgis place and Hamilton place; laid out, July 23, 1869; portions discontinued, April 15 and July 17, 1871; name of Sturgis street, from Oliver street to Broad street, changed to Franklin street, Sept. 30, 1873. L 459, L 460, L 461, L 462, L 600.
- Sudan street, Dor.;** from Sydney street, north-west, between Harbor View street and Romsey street; authority to open given by Street Commissioners, Aug. 13, 1895.
- Sudbury place, Rox.;** from Weston street, south-west, between Tremont street and Windsor street; now Weston place.
- *Sudbury square, B.;** from Sudbury street, west of 50 Portland street, same in 1709; the north part of Sudbury street and west of Cold lane (now Portland street).
- *Sudbury street, B.;** from Haymarket square to Court street; from the head of School street to the Mill-pond and Cold lane (now Portland street) 1654; from the sign of the Orange Tree at the corner of Hanover street to the Mill-pond, and from thence to the lower end of Cold lane, 1708; the remainder of the street being called Sentry street; extended through Deacon street to Merrimac street, Sept. 2, 1839; from Court street to Portland street, 1850; Deacon street, from Portland street to Merrimac street, at Haymarket square, considered as continuation of and named Sudbury street, April 14, 1851; at one time the easterly end of Court street was called Sudbury street; the only street which, existing in Boston in 1645, retains at this day its original name. Vol. 31, p. 24. L 34, L 2167.
- Sudbury street, Rox.;** from Tremont street to Cabot street; accepted and named conditionally, March 11, 1844; accepted, finally, March 3, 1845; name changed to Weston street, April 21, 1868.
- Suffolk avenue, B.;** from Cornhill square, west, 1820; named Court avenue, 1837.
- Suffolk Buildings, B.;** corner of Congress street and State street, 1817.
- Suffolk court, B.;** from Washington street, east, 1806; called Suffolk place, 1809.
- Suffolk Inns, B.;** on the passageway from Cornhill (now Washington street) to the new Court-house, 1812.
- Suffolk place, B.;** from Bedford street, south-west; Suffolk court, from Washington street, east, called Suffolk place, 1809; to Bedford street, 1839; now built over.
- Suffolk place, Rox.;** from the end of Putnam place, east, then south; name changed to Putnam place, May 31, 1870, but still called Suffolk place on chart, 1884 and 1890.
- Suffolk street, B.;** from West Castle street to Dover street, 1829; laid out from South bridge in rear of Franklin School-house to westerly bounds of city lands, Dec. 13, 1830; street between Washington street and Tremont street, parallel with Washington street, to Roxbury line named Suffolk street, Sept. 15, 1834; part between Dover street and Castle street made in 1836-37; laid out and extended from Camden street to Lenox street, July 1, 1844; part south of Dover street called South Suffolk street, 1849-51; from Dover street to Roxbury line called Shawmut avenue, Oct. 20, 1851; from Dover

street to Castle street named Shawmut avenue, 1870. Vol. 31, pp. 2, 8. L 56, L 545, L 547, L 562, L 563.

* **Suffolk street**, Bri.; from Brighton (now Commonwealth) avenue, nearly opposite Malvern street, to Brookline line; abandoned.

Suffolk-street passageway, B.; passageway 20 feet wide laid out between land of George Archibald on south-easterly side of Suffolk street, July 25, 1831.

Sullivan place, B.; from Federal street, west, near Franklin street; same in 1824.

Sullivan square, Chsn.; between Main, Cambridge, Sever, and Gardner streets; square at the Neck in front of Hotel of Richard Sullivan named Sullivan square, Jan. 17, 1848; enlarged, Dec. 17, 1867.

Sullivan street, So. B.; from D street to Old Harbor street; the westerly portion accepted, July 5, 1860; about 40 feet east from D street laid out as a public street, Sept. 17, 1867; laid out from D street to Old Harbor street, Nov. 17, 1868; name changed to Ninth street, Nov. 17, 1868. L 96, L 191, L 192, L 194, L 273, L 369.

* **Sullivan street**, Chsn.; from Main street to Bunker Hill street; from Main street to Bartlett street accepted as Graves street, Nov. 28, 1831; land given to town by Richard Sullivan as continuation of Graves street from Russell street to Bunker Hill street, Oct. 23, 1834; same accepted, Nov. 10, 1834; no record of change of name, but same soon after called Sullivan street. L 2005, L 2808.

Summer place, B.; from Arch street, west, near Franklin street; Bussey place so called for a short time previous to 1842.

* **Summer street**, B.; from Washington street to Federal street; from Washington street to the sea. 1683; at some time previous to 1708 called the Mylne street; called also Seven Star Lane, 1758-73; owners have named a private way from Atlantic avenue, south-easterly, nearly opposite junction of Summer street and Federal street, Summer street. Vol. 31, pp. 20, 84; Vol. 19, p. 83. L 31, L 72, L 76, L 90, L 285, L 305, L 306, L 320, L 364, L 828, L 829, L 830, L 832.

† **Summer street**, W. Rox.; from Spring street to and across Ashland street; same in 1874; laid out from Spring street to Autumn street, April 29, 1878. L 1302.

* **Summer street**, Chsn.; from Elm street to Pearl street; Oliver Holden conveyed to Town a parcel of land already used as a road called Summer street running from Elm street, north-west, July 17, 1819.

Summer street, Bri.; from Washington street to Warren street; near Brookline line; called Corey road in 1896.

* **Summit avenue**, Bri.; from Brookline line to Massachusetts (now Commonwealth) avenue; laid out from Allston street to Brookline line, by County Commissioners in 1867; laid out, Dec. 18, 1878, from Allston street to Massachusetts avenue, May 7, 1884; called Prospect street in 1861. Middlesex Lib. 854, fol. 413. L 1769.

Summit street, Rox.; from Circuit street to Regent street; laid out, with name of Herman street, Dec. 28, 1888. L 2109.

Summit street, W. Rox.; from Metropolitan avenue, south-westerly, across Hemman street; same in 1874.

Sumner court, Dor.; from Sumner street, south-easterly; formerly called Gulliver court and later Sumner-street place.

Sumner place, B.; from Friend street, north, between Hanover street and Sudbury street, 1850; closed.

Sumner place, E. B.; from Sumner street, near Seaver street, south-easterly.

Sumner place, Rox.; from Cabot street, south-easterly, near Vernon street.

- *Sumner street, B.;** from Beacon street, north; called Sentry street, 1708-1800; from Beacon street, north, then west, around the new State House to Belknap (now Joy) street, 1800; extended west through Olive street to Charles street, 1824; Temple street extended over part running east of the State House to Beacon street, 1824; name changed to Mt. Vernon street, August, 1832.
- Sumner street, E. B.;** from New street to and crossing Jeffries street, with extension from New street to Week's wharf; laid out from Orleans street to London street, Aug. 7, 1848; accepted, Aug. 27, 1849; accepted from Cottage street to Orleans street, May 10, 1852; accepted from Cottage street to the water and from London street to New street, Oct. 25, 1852. L 1419, L 1506, L 2132, L 2172, L 2494.
- *Sumner street, Rox.;** from Main (now Washington) street in Roxbury, continued until it meets another street opposite Capt. Aaron Davis' house; accepted, being commonly called Sumner street, April 1, 1816; from Washington street by Sumner School-house to Davis (now Albany) street, named May 9, 1825; extended to Mall street, April 2, 1855; lands exchanged to straighten line, February and July, 1860; name changed to Palmer street, April 21, 1868.
- Sumner street, Dor.;** from Stoughton street to Cottage (now East Cottage) street; named from Myrtle (now East Cottage) street by No. 1 School-house to Stoughton street, March 11, 1840; accepted, April 6, 1840. L 1714.
- Sumner-street place, Dor.;** from Sumner street, south-east, formerly called Gulliver court and now Sumner court.
- Sun court, B.;** the way leading south-easterly, from the North Meeting-house into Fish (now North) street. 1708; by plan of 1722 from Fleet street, south-westerly, by the North Meeting-house, then south-easterly, to Fish street and down to the sea; from Fish street, north-west, to Clarke's (now North) square, Moon street, being extended over the remainder to Fleet street, 1784; called Sun-court street, 1811.
- *Sun-court street, B.;** from Moon street, at North square, to North street; from 1708 called Sun court; called Sun-court street in "Selectmen's Records," Nov. 27, 1811.
- *Sunderland street, Rox.;** from Warren street, opposite Crawford street, to Blue Hill avenue, opposite Stanwood street; laid out, Oct. 6, 1880. L 1495.
- Sunny court, Rox.;** from Lamartine street, north-west, between Roys street and Hoffman street.
- Sunnyside avenue, W. Rox.;** from Arnold street to Agassiz avenue.
- *Sunnyside street, Rox.,** 1892; from Centre street, north, then west to Creighton street; a private way called Sunnyside terrace, laid out, with name of Sunnyside street, Dec. 28, 1892. L 2479, L 2480.
- Sunnyside terrace, Rox.;** from Centre street, north, then west to Creighton street; laid out, with name of Sunnyside street, Dec. 28, 1892. L 2479, L 2480.
- Sunset circle, Dor.,** 1889; from Stanley street.
- Sunset avenue, W. Rox.;** from Wenham street.
- *Sunset street, Rox.,** 1891; from Parker Hill avenue to Hillside street; laid out, July 2, 1891. L 2306.
- Surrey street, W. Rox.;** from Canterbury street to the railroad, 1849; not in existence in 1874.
- †Surrey street, Bri.;** from Market street to Foster street; laid out, from Parsons street to Foster street, Sept. 4, 1884; at one time known as Kensington street. L 1817.
- *Sussex street, Rox.,** 1887; from Hammond street to Warwick street; laid out, Feb. 25, 1887. L 1978.

- *Sutherland road**, Bri.; from Beacon street to Commonwealth avenue; name of Isleworth street, from Beacon street to Englewood avenue, changed to Sutherland road, March 1, 1892; laid out, from Englewood avenue to Commonwealth avenue, Oct. 11, 1892; formerly Roxbury avenue. L 1985, L 2442.
- Sutton street**, W. Rox.; from Berry street to Gilman street.
- Sutton street**, Dor.; from Morton street to Woolson street.
- Swallow street**, So. B.; from N street, easterly, between East Fifth street and East Sixth street.
- Swallow street**, W. Rox.; from La Grange street to Cottage avenue.
- Swan avenue**, E. B. (Breed's Island); from Ashley avenue to Belle Isle inlet; Bromley's atlas, 1892.
- Swan court**, Dor.; from Richmond street, between Butler street, and Adams street.
- Swan place**, So. B.; from Swan street, north-east, opposite Ontario street; discontinued and taken into estate of the O. C. (now N. Y., N. H. & H.) R.R. Co., under authority of chapter 127 of the Acts of the Legislature of 1893. L 223.
- *Swan street**, So. B.; from Dorchester avenue, to Foundry street; accepted conditionally, Oct. 29, 1849; accepted, Dec. 18, 1854; laid out, Nov. 17, 1868; discontinued and taken into estate of the O. C. (now N. Y., N. H. & H.) R.R. Co., under authority of the Acts of the Legislature of 1893. L 223.
- Swan street**, W. Rox.; from Martin street, south-east, 1849; not in existence in 1874.
- Swan's court**, Dor.; from Olney street, south, near Blakeville street; given in directory only.
- Sweetser's alley**, B.; from Newbury (now Washington) street, east, nearly opposite Sheafe's lane (now Avery street), 1798; called Sweetser's court, 1809; Chickering place, 1855.
- Sweetser's court**, B.; see Sweetser's alley.
- *Swett street**, Rox. and So. B.; from Albany street across South bay to Dorchester avenue; accepted from Northampton street at junction with Albany street to street leading to wharf of Thomas Simmons, March 7, 1859; width established from Davis (now Albany) street to Canal (now Hilton) street, June 25, 1866; laid out from Albany street to junction Boston street and Dorchester avenue, Jan. 2, 1875. L 377, L 1011, L 1012, L 1013, L 1014, L 1049, L 1150, L 1331, L 1352, L 1701.
- †**Swift street**, E. B.; from Saratoga street to proposed part of Coleridge street; laid out from Bennington street to Saratoga street, Aug. 7, 1848.
- Swift's corner**, B.; corner Lynn (now Commercial) street and Henchman's lane (now Henchman street), 1800.
- Swing bridge lane**, B.; from Ann (now North) street to the Swing-bridge, across the Town Dock, 1708; made part of Merchants' row, 1825.
- †**Sycamore street**, W. Rox.; from Florence street to Kittredge street; laid out between Ashland street and Poplar street over private way called Albion street, July 6, 1880; from Ashland street to Florence street, Aug. 28, 1891; on chart, 1874, part from Roslin avenue (now Kittredge street) to Ashland street called Mt. Vernon street and part from Ashland street to Florence street called Albion street; no further record of changes of name. L 1468, L 2331.
- Sydney place**, Dor.; from Harvard street, westerly, then northerly, curving to meet end of Waterlow street; now Clinton street and a part of Waterlow street.

- ***Sydney street**, Dor.; from Savin Hill avenue to Crescent avenue; laid out from Savin Hill avenue to Harbor View street, Aug. 11, 1892; from Harbor View street to Crescent avenue, Oct. 16, 1894. L 2424, L 2425, L 2665.
- ***Sylvia street**, W. Rox., 1891; from Washington street to Forest Hills street; Bond avenue laid out, with name of Sylvia street, July 17, 1891. L 2317.
- ***Symmes street**, W. Rox., 1890; from Fairview street to Walter street; laid out, Feb. 11, 1890. L 2204.
- T wharf**, B.; from Atlantic avenue, opposite South Market street. Vol. 31, p. 47. L 1000, L 1001.
- ***Taber street**, Rox., 1868; from Warren street, south-east, crossing Harrison avenue and Winslow street; accepted as Union street, March 1, 1819; named Taber street, April 21, 1868. L 588, L 1746.
- Taft court**, W. Rox.; from Corinth street, nearly opposite Cohasset street, north-east, towards South street.
- Taft's place**, W. Rox.; from South street, north-east; near Washington street.
- ***Talbot avenue**, Dor.; from Blue Hill avenue to Dorchester avenue; first projected from junction Harvard street and Blue Hill avenue, easterly, to N. E. R.R.; Directory 1884 gives same from Washington street corner of Norfolk street to Blue Hill avenue corner of Harvard street; laid out from Blue Hill avenue to Washington street, March 29, 1888, and from Washington street to Dorchester avenue, including a part of Argyle street, Oct. 10, 1892. L 2062, L 2063, L 2437, L 2438, L 2758.
- ***Tamworth street**, B., 1880; from Boylston street to La Grange street; called Lowell court, from Boylston street, south, 1806; Lowell place, 1809; laid out as Tamworth street, April 28, 1880. L 1452.
- Tanner's lane**, B., 1708; from Milk street to Water street; called also Horn lane and Horse lane, 1795-1806; called Bath street, 1807; parts afterwards included in extension of Pearl street and Post Office square.
- Tappan street**, W. Rox.; from South street, north-east; laid out from South street, Nov. 11, 1896. L 2797.
- Tattle street**, B.; Hawkins street, from Cambridge street, north, then east, to Sudbury street, was sometimes so called, 1756-84, and according to Drake, commonly so called in 1800.
- Taylor avenue**, Dor.; from Stoughton (now Dudley) street, northerly, 1874; included in extension of Clifton street, June 15, 1883. L 1708.
- ***Taylor street**, B.; from Dwight street to Milford street; same in 1844 (from Groton, now Dwight street, to South Lowell, now Milford street); laid out, March 1, 1875. L 1026.
- †**Taylor street**, Dor.; from Neponset avenue to Water street; part from Water street to O. C. (now N. Y., N. H. & H.) R.R.; laid out by Selectmen, March 21, 1866, and accepted by Town, April 2, 1866; laid out from Neponset avenue to Wood (now Rice) street, Jan. 31, 1876. L 1127.
- Taylor street**, Dor.; from Dudley street to Clifton street; laid out as Burgess street, July 12, 1888. L 2076.
- Taylor street**, Bri.; from Lake street, near Washington street, south-east.
- Teevan place**, Rox.; from 581 Shawmut avenue, near and north of Lenox street.
- ***Telegraph street**, So. B.; from Dorchester street to Old Harbor street, opposite Thomas park; laid out and extended 516 feet southerly from Dorchester street, to Dorchester street, Nov. 17, 1868. L 612.

Telegraph Hill, So. B.; formerly Dorchester Heights.

Telford street, Bri., 1897; from Western avenue, north-west, to Charles River Reservation, between Everett street and Antwerp street; authority to open given by Street Commissioners, Jan. 7, 1897.

Temple avenue, B., 1833; from Washington street, west, to Temple place; called Washington court, 1826; Temple avenue, 1833; included in Temple place, 1864.

Temple park, B., 1879; from Washington street, near South May (now Savoy) street; called Sands place, 1859; Ottawa place, 1873; Temple park, 1879; and is now called Mechanics row.

***Temple place**, B., 1830; from Tremont street to Washington street; called "Turnagain alley from ye Comon, easterly," 1708; -from Tremont street, east north of West street, 1830; extended to Washington street, 1864; named Autumn street, May 15, 1865; renamed Temple place, May 23, 1865; name of Avon street given to Temple place and Avon place, March 30, 1869; again changed to Temple place, June 9, 1869. L 274, L 290.

Temple place, Dor.; from Temple street, west, to unnamed street (now Sturbridge street); laid out as Monson street, March 21, 1890. L 2212.

***Temple street**, B., 1769; from Cambridge street to Derne street; from Cambridge street to the foot of Beacon Hill, 1769; extended to Sumner (now Mt. Vernon) street, 1820; the part of Sumner street which runs east of the State House to Beacon street named Temple street, July 6, 1824; same part named Mt. Vernon street, 1832; part of Temple street south of Derne street included in State House grounds by authority of an Act of the Legislature. L 1505, L 2105.

†**Temple street**, Dor.; from River street, north, crossing Sanford street; from River street to Sanford street laid out and widened, Feb. 20, 1852.

†**Temple street**, W. Rox.; from Baker street crossing Mt. Vernon street to West Roxbury Branch R.R.; laid out from Ivory street to Mt. Vernon street, July 16, 1877; laid out from Mt. Vernon street to Baker street, Sept. 14, 1894. L 1248, L 1249, L 2666.

Temple street, Chsn.; from Dorrance street to Sherman street.

Temple terrace, W. Rox., 1893; from Perham street to Temple street; authority to open given by Street Commissioners, March 5, 1895.

Templeton street, Dor.; from Adams street to Dorchester avenue; from Adams street, south-west, for a distance of about 800 feet, in 1884.

***Tenean street**, Dor.; from Freeport street to Fulton street, parallel with O. C. (now N. Y., N. H. & H.) R.R.; located from Water street to Commercial (now Freeport) street, March 26, 1860. L 1840.

Tennis court, B.; from Buckingham street, north, then east, near Dartmouth street.

***Tennyson street**, B.; from Columbus avenue to Pleasant street; from Church street, west, opposite Berlin street, 1856; name of Berlin street from Pleasant street to Church street, changed to Tennyson street, April 20, 1869. L 387, L 393, L 394, L 397.

Terrace avenue, W. Rox., 1874; from Sheridan avenue (now street), south-westerly, then south-easterly; part laid out as Cranston street, Nov. 11, 1890. L 2272.

Terrace avenue, E. B.; from Washburn avenue (now Walley street) to Chelsea avenue; part between Walley street and Breed street laid out, with the name of Gladstone street, Aug. 23, 1886. L 1933, L 1934, L 1935.

Terrace place, E. B.; from Webster street, near Seaver street, south-west, then south-east, parallel with Marginal street; part from

- Webster street, south-west, then south-east, crossing Ida street, laid out with name of Brigham street, Nov. 26, 1892; part from Webster street opposite Lansom street, to Brigham street, laid out with name of Ruth street, Nov. 26, 1892; part between Ruth street and Brigham street, laid out as Ida street, Nov. 26, 1892.
- *Terrace street**, Rox.; from Tremont street to New Heath street; from New Heath street to Alleghany street, 1873; Gore avenue laid out in part (about 200 feet south-west from Tremont street), April 17, 1875; name of last mentioned part changed to Terrace street, Sept. 23, 1875; laid out from New Heath street to Tremont street, including another part of Gore avenue, Oct. 9, 1875. L 1040, L 1087, L 1088.
- *Terry street**, Rox., 1888; from Tremont street to Columbus avenue; Tremont place, from Tremont street to Cary street, laid out, Dec. 20, 1875, and named Terry street, March 1, 1888; part between Columbus avenue and Cary street discontinued, Jan. 4, 1895. L 1119, L 2684.
- Tesla street**, Dor., 1896; from River street to Edgewater drive; authority to open given by Street Commissioners, Feb. 24, 1896.
- Texas avenue**, Rox.; from Tremont street to Elmwood street; laid out as Texas street, Oct. 1, 1886. L 1952.
- Texas court**, Rox.; from Texas street, south-west.
- *Texas street**, Rox.; from Tremont street to Elmwood street; Texas avenue laid out as Texas street, Oct. 1, 1886. L 1952.
- Texas street**, Bri., 1882; from Third street to Fifth street, near and parallel with B. & A. R.R.; now in Brighton cattle-yards.
- Thacher avenue**, B., 1835; from Thacher street to Cooper street; laid out as Lynn street, Sept. 10, 1884. L 1819.
- Thacher avenue**, Dor.; from Sawyer avenue, north-west; laid out as Cushing avenue and extended to Hancock street, in part over Upham avenue, Oct. 28, 1881. L 1562, L 1563, L 1564.
- Thacher court or place**, B.; from Thacher street, north, opposite Lynn street; called Thacher-street court, 1833; Thacher court, 1859; called both Thacher court and Thacher place, 1884; and Thacher court, 1890.
- *Thacher street**, B., 1807; from Prince street to Charlestown street; laid out on the Mill-pond and named, 1807; from Prince street to Charlestown street, 1822; mistake in location rectified, 1827. L 366, L 1827, L 2262.
- Thacher-street court**, B., 1833; from Thacher street, north; called Thacher court or place, 1859, and Thacher court, 1890.
- Thane street**, Dor., 1895; from Harvard street at its junction with School street to Park street.
- Thatcher road**, Dor., 1896; from Dudley street to Cushing avenue; authority to open given by Street Commissioners, May 22, 1896.
- Thaxter place**, B., 1831; from Front street (now Harrison avenue), opposite Harvard street; probably included in Harvard street on its extension east in 1836.
- Thayer street**, B.; from Harrison avenue to Albany street, south of Bristol street.
- Theatre alley**, B., 1796; from Milk street to Franklin street; called Dinsdale's alley earlier; from Milk street to rear of theatre, 1817; south part called Odeon avenue, 1842-48; Devonshire street extended through it in 1859.
- *Thetford avenue**, Dor.; from Norfolk street to Evans street; laid out, Sept. 27, 1875. L 1076.
- *Third street**, So. B., 1805; laid out parallel with Broadway, and named, Feb. 27, 1805; portion between M street and N street dis-

continued, Dec. 31, 1857; laid out from Second (now West Second) street to Dorchester street, thence to M street and from N street to low-water mark, Nov. 17, 1868; called East and West Third streets, Feb. 18, 1873. L 8, L 123, L 143, L 155, L 157, L 160.

Third street, Chsn.; from Lynde street to the railroad; accepted from Lynde street to Front street by plan, October, 1860; discontinued and part taken by the Eastern (now B. & M.) R.R. by authority of an Act of the Legislature.

Third street, Bri., 1882; from North Beacon street to Texas street; now in Brighton cattle-yards.

Third-street court, So. B.; from 259 West Third street to Athens street, between E street and F street.

Third-street place, So. B.; from 239 West Third street, near E street, south-westerly; also called West Third-street place.

Thirteenth street, Rox.; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.; abandoned.

Thirty-feet passage, B., 1784; from Wiltshire (now Chambers) street, west; called South Allen street, 1807; McLean street, 1829.

***Thomas park, So. B.;** around Telegraph Hill from G street, crossing Linden, Pacific, Atlantic, National and Old Harbor streets, to G street again; laid out as Thomas street, Nov. 17, 1868; named Thomas park, June 22, 1878. L 293, L 337, L 1890.

***Thomas street, So. B.;** around Telegraph Hill, 1855; laid out, Nov. 17, 1868; name changed to Thomas park, June 22, 1878, L 293, L 337.

***Thomas street, W. Rox.;** from Centre street to Brewer street; laid out, March 19, 1875. L 1031.

Thomas' corner, B., 1708; corner of Ann street and Paddy's alley (now North street and North Centre street) then so called.

Thompson court, S. B.; from Vinton street near Rogers street, north-east.

***Thompson square, Chsn.,** 1875; junction of Main street and Warren street; name of La Fayette square changed to Thompson square, July 19, 1875. L 1086.

***Thompson street, Chsn.;** from Main street to Warren street; street to be laid out to cost \$1,000, May 13, 1805; land conveyed by Oliver Holden and Timothy Thompson, 1805.

***Thompson's court, B.,** 1856; from Revere street, north, near Grove street.

Thorn street, B.; from East Canton street to East Dedham street; named April 1, 1873; shown on atlas of 1890 as extending as far south as Stoughton street.

Thorndike place, B.; from Thorndike street near Reed street, north-east.

***Thorndike street, B.;** from Washington street to Harrison avenue; laid out, Sept. 25, 1874. L 956.

Thorndike street, Chsn.; from Main street to Rutherford avenue; same in 1875.

***Thornley street, Dor.;** from Dorchester avenue to Pleasant street; laid out, Sept. 10, 1874. L 963.

Thornton place, Rox.; from Thornton street, south-easterly, near and south of Valentine street.

***Thornton street, Rox.;** from Guild street to Marcella street; name of Edinboro' street (from Cedar street to Ellis street) changed to Thornton street, April 21, 1868; laid out from Ellis street to Shawmut avenue (now Washington street) and westerly over part of Vale street to Marcella street, Oct. 25, 1873; part from Washington street,

- westerly, to Thornton street "as recently laid out," named Valentine street, Oct. 19, 1875; extended from Cedar street over part of Cedar square to Guild street, Dec. 10, 1881. L 904, L 905, L 906, L 1580, L 1581, L 2309.
- Thrush street**, W. Rox.; from Heron street nearly opposite Grouse street, to Willet street,
- Thurston street**, B. I.; from Butler avenue to Bayswater street.
- *Thwing street**, Rox., 1889; from Highland street, near Fulda street; Thwing terrace laid out as Thwing street, March 19, 1889. L 2115.
- Thwing terrace**, Rox.; from Highland street, north-west; laid out as Thwing street, March 19, 1889. L 2115.
- *Tibbett's Town way**, Chsn.; from Mill street to Rutherford avenue; called Tibbett's Town way on chart, and shown on plans as extending nearly to Somerville line.
- Tilden place**, Rox.; from Auburn street, south-west, between Ruggles street and Vernon street; named, Sept. 1, 1868.
- Tileston avenue**, Dor.; from Blue Hill avenue, south of Walk Hill street, north-west, then north-east, crossing Walk Hill street to another part of Tileston avenue, leading from Blue Hill avenue, north of Walk Hill street; authority to open and extend the part north of Walk Hill street, given by Street Commissioners, Sept. 14, and Dec. 26, 1894, and March 26, 1895.
- Tileston court**, } B.; from Tileston street to Webster avenue; from
Tileston place, } Tileston street, near Hanover street, 1837.
- Tileston place**, Dor.; from 134 Neponset avenue, east, nearly opposite King street.
- Tileston square**, B.; from Atlantic avenue, south-east, between Congress street and Summer street.
- *Tileston street**, B., 1821; from Hanover street to Salem street; called Love lane, 1708; also North Writing School street, 1789, named Tileston street, June 20, 1821.
- Tileston street**, B.; from Fellows street, north-westerly, near Northampton street.
- Tileston street**, Dor.; from Blue Hill avenue, near Walk Hill street, north-westerly; now called Tileston avenue.
- Tileston wharf**, B.; from Atlantic avenue, south-easterly, near N. E. R.R.; now built over.
- Tilley's lane**, B.; from Cow lane (now High street) to Belcher lane (now Purchase street); the third street from Summer street, shown in 1722; named, 1732; called Gridley's lane, 1795; Gridley street, from High street to Purchase street, 1825.
- Tilson's lane**, B.; Wilson's lane so called on plan, 1789.
- Tirrell's wharf**, B., from Shaving street, easterly.
- Tilton street**, Dor., 1895; from Washington street to Faxon street; authority to open given by Street Commissioners, May 15, 1895; now called Kilton street.
- Tokio street**, Dor., 1896; from River street to Edgewater drive; authority to open given by Street Commissioners, Feb. 24, 1896.
- Tolman lane**, Dor.; from angle in Ashmont street, south-westerly, nearly to Washington street; part of now included in Burt avenue.
- Tolman place**, Rox.; from Warren street, west, between St. James street, and Walnut avenue.
- *Tolman street**, Dor.; from Neponset avenue to Norwood street; laid out, Dec. 8, 1893. L 2569.
- Tonawanda street**, Dor.; from Geneva avenue, south-west, to beyond Greenbrier street.

Tontine buildings, B.; in Franklin place, 1793.

***Topliff street, Dor.;** from Bowdoin street to Geneva avenue; laid out, Oct. 3, 1891. L 2342.

Torrey street, Dor.; from Washington street to Wentworth street.

Tower street, W. Rox., 1892; from Hyde Park avenue opposite Forest Hills station to Forest Hills cemetery; authority to open given by Street Commissioners, May 4, 1892; at one time called Foley street.

Tower street, B. I.; from Gladstone street to Farrington street.

Town dock, B.; originally an arm of the Town cove, sweeping inward from near the corner of the present Merchants' row and South Market street, on the south, and from Ann (now North) street on the opposite side, extending northwardly, almost to the foot of Brattle street; first called Bendall's dock, afterwards Town dock; connected by Mill-creek with Mill-pond; Swing bridge was built across nearly on line with present Merchants' row and a market place set up; all the north side of the Dock seems to have been known as the Fish market, 1708; Corn market and Corn court were on the south side of the dock, 1708.

Town dock, Chsn.; to be filled up and street laid out thereon, Feb. 4, 1839; report of Commissioners laying out Gray street over the Town dock from Chelsea street to Water street, March 28, 1842.

Town Hill court, Chsn.; from Harvard square to City square; part of now a covered passage.

Town Hill street, Chsn.; "doings of Selectmen in relation to fixing boundaries of Town Hill street," confirmed March 28, 1836; name changed to Harvard street, Nov. 7, 1836.

***Town Meeting square, Dor.;** junction Pond street, East Cottage street and Pleasant street; named, Jan. 24, 1894.

Town way, Bri.; private way from Market street, opposite house of Edward C. Sparhawk, to Parsons street, laid out as Town way, May 23, 1870; accepted as Arlington street, June 24, 1870.

Townsend place, B., 1841; from Commercial street, opposite Bartlett's wharf; sometimes called North Townsend place; part of included in Commercial street when widened in 1879; now included in park.

Townsend place, B., 1844; from Carver street, east, and then south, near Boylston street; sometimes called South Townsend place.

***Townsend street, Rox.,** 1868; from Washington street to Warren street; name of Otis street changed to Townsend street, April 21, 1868; laid out, from Warren street to Walnut avenue, Jan. 6, 1872; laid out, from Walnut avenue to Washington street, July 26, 1875. L 733, L 734, L 1064, L 1065, L 2249.

Townsend street, Chsn., 1831; from Adams street to Chelsea street; name of Shippie street changed to Townsend street, March 14, 1831; name of Townsend street changed to Chestnut street, June 20, 1846.

Townsend's corner, B., 1708; corner of Tremont street and School street, the southerly termination of Tremont street, 1708.

***Train street, Dor.,** 1852; from Ashmont street to Mill street; accepted and named, Dec. 22, 1852.

Trainer court, B., 1851; from Lenox street to Winfred court; from Lenox street, south, near Shawmut avenue, 1851; Trainer court and Winfred court included in the laying out of Dillon street, from Lenox street to Sawyer street, Oct. 24, 1887. L 2034.

Training-field, Chsn.; the square "anciently called Training-field," named Winthrop square, Jan. 17, 1848.

Training-field street, Chsn.; from the training field to Back (now Warren) street; laid out wider, May 12, 1804; accepted as so laid out, Jan. 7, 1805; laid out, May 21, 1827; name changed to Winthrop street, Dec. 5, 1836.

- *Transit street**, Rox., 1881; from Cabot street to Newbern street; laid out, Sept. 23, 1881; name changed to Sterling street, March 1, 1884; also name of that part of Newbern street, from Tremont street to Transit street, changed to Sterling street, March 1, 1884. L 1559, L 1726.
- Trant's alley**, B., 1849; from Ann (now North) street, near North square; probably now North Brimmer place.
- Trask place**, Rox.; from Yeoman street to Orchard street; that part of Eaton street, between Yeoman street and Orchard street, so called previous to 1870; part from Yeoman street to Orchard park, laid out as Chadwick street, May 24, 1870, and extended to Hartopp place (now Ambrose street) Dec. 31, 1870; part from Orchard street to Hartopp place laid out as Orchard-Park street, Feb. 19, 1876. L 529.
- Travers place**, Rox.; from Adams street, north-west, between Eustis street and Orchard-Park street; directory gives this as Edward's place from 37 Adams street.
- *Traverse street**, B., 1807; from Merrimac street to Charlestown street; laid out on the Mill-pond and named, August, 1807.
- Travises corner**, B., 1708; corner of Prince street and Snowhill street.
- Tremlett park**, Dor.; from Hooper street to Waldeck street, authority to open given by Street Commissioners, Oct. 1, 1891; laid out as Tremlett street, Aug. 10, 1893. L 2522.
- *Tremlett street**, Dor., 1885; from Washington street to Waldeck street; laid out from Washington street to Hooper street, Sept. 16, 1885; authority to open Tremlett park from Hooper street to Waldeck street given by Street Commissioners, Oct. 1, 1891; Tremlett park laid out as Tremlett street, from Hooper street to Waldeck street, Aug. 10, 1893. L 1886, L 2522.
- Tremont court**, Rox.; from Terry street, north-east.
- Tremont court**, Chsn.; from 38 Tremont street, north-easterly.
- Tremont place**, B., 1829; from Beacon street, south, to the Granary Burying-ground.
- Tremont place**, B., 1805; from Tremont street, west, next north of Beacon street, opposite the Chapel, Tremont street, 1817; called Phillips place, 1829.
- *Tremont place**, Rox.; from Tremont street to Cary street; laid out, Dec. 20, 1875; name changed to Terry street, March 1, 1888. L 1119.
- Tremont place**, Chsn.; from 22 Tremont street, north-easterly.
- *Tremont row**, B., 1837; from Howard street to Pemberton square; called Sudbury street, 1654; called Pemberton Hill by Hale's plan, 1814; called Tremont row, from Beacon street to near the corner of Howard street, 1837; name changed to Tremont square and changed back to Tremont row, 1850; from Pemberton square to Howard street, part of Tremont street, 1852; Tremont row and Court street widened by removal of Scollay's building and steamer house No. 4, Nov. 4, 1870. L 580.
- *Tremont street**, B. and Rox., 1708; from Court street at Scollay square to Huntington avenue at Francis street; called at different times Tra Mount, Tremount, Treamount, and Tremont; from School street to Court street called Sudbury street, 1654; from Hanover street to School street called Tra Mount street, 1708; in 1741 the part from Frog lane (now Boylston street) to Orange (now Washington) street, was called also Walker's lane or street; about 1777, from School street to Winter street was called Long Acre; between West street and Common street was called Colonnade row in 1810, and Fayette place, 1825-37; from Howard street over Pemberton Hill through Tremont, Common, and Nassau streets to Washington street named Common street, 1824; same named Tremont street,

1829; part from School street to Frog lane called Common street, 1722-1824, when it was included in Common street as above; from Frog lane to Hollis street, 1733, and from Frog lane to Dr. Byle's house, at corner of present Common street, 1744, called Clough street; same called Holyoke street, 1750; Nassau street, 1788; included in Common street, 1824; Tremont street, constructed from city lands, south, to Dedham street, June 9, 1831; continued to meet street then making in Roxbury, July 11, 1831; deed of F. C. Lowell of land formerly Cabot street, to be used as extension of Tremont street, June 18, 1832; from street next south of Dedham street to Roxbury line, opened for public travel, Sept. 17, 1832; from Pleasant street to city lands (except 106 feet) accepted Oct. 15, 1832; altered at junction of Pleasant street, July 29, 1833; street extending from Tremont street to Roxbury named Tremont street; from Byle's corner to Washington street, called Common street, Dec. 30, 1836; from Howard street to Tremont street, formerly called Common street or Pemberton Hill, named Tremont street, Nov. 4, 1844; part in Roxbury extended by County Commissioners of Norfolk for two miles and six rods from end of Tremont street at city line to Guy Carleton's morocco factory, intersecting the Worcester turnpike, October, 1831; the road leading from near Hog bridge in Roxbury to Boston line being circuitous, same altered and straightened by construction of new highway from near Hog bridge down the vale of Stony brook to near Guy Carleton's morocco factory, and thence to line of city of Boston, April, 1832; new road named Tremont street, May 25, 1832; accepted by county, Oct. 15, 1832; the south-westerly end where it intersects the old road from Roxbury to Brookline being unsafe because of close proximity of B. & P. (now N. Y., N. H. & H.) R. R. and sharp curve from Lowell street (later Pynchon street, now Columbus avenue), widened, June, 1825; name of Washington street from Tremont street to Brookline line, changed to Tremont street, April 21, 1868; Tremont street from Francis street to Brookline line included in the widening and extension of Huntington avenue, Jan. 5, 1895. Between Scollay square and Boylston street. L 282, L 310, L 753, L 1702, L 2824. Between Boylston street and Dover street. L 64, L 152, L 184, L 197, L 236, L 270, L 307, L 314, L 315, L 316, L 317, L 318, L 370, L 371, L 387, L 391, L 392. L 406, L 407, L 544, L 546, L 548, L 590, L 724, L 728, L 769, L 1764. Between Dover street and Roxbury line. Vol. 31. pp. 2, 7, 59. L 184, L 189, L 206. In Roxbury District. Vol. 31. pp. 7, 59. L 189, L 601, L 1045, L 1259, L 1262, L 1380, L 1480, L 1481, L 1482, L 1483, L 1484, L 1485, L 2024, L 2096, L 2142, L 2213, L 2445, L 2504, L 2768.

***Tremont street, Chsn.;** from Monument square to Chelsea street; name of part from Lexington street to Concord street changed to Monument square, Feb. 2, 1860; laid out as a public way from Lexington street to Edgeworth street, Sept. 7, 1863; name of Jay street (from Chelsea street to Edgeworth street) changed to Tremont street, making said street extend from Monument square to Chelsea street, Oct. 29, 1866.

***Tremont street, Bri.;** from Washington street at Oak square to Newton line; laid out by County Commissioners, July 25, 1861. L 2487.

***Trenton street, E. B.;** from Meridian street to East Eagle street; accepted and laid out, July 19, 1852; accepted at junction Trenton street and White street and at junction Trenton street and Eagle street, Nov. 1, 1858. L 106.

***Trenton street, Chsn.;** from Bartlett street to Bunker Hill street; laid out and accepted, Dec. 14, 1859.

Trescott place, Dor.; from 41 Harvard street, north-west, then north.

Trescott street, Dor.; from Pleasant street to F (now Bakersfield) street; authority to open, under name of A street given by Street Commissioners, May 4, 1892.

- †**Trinity place**, B., 1876; from Huntington avenue to N. Y., N. H. & H. R.R.; from Huntington avenue to St. James avenue laid out, Nov. 24, 1876. L 1192.
- Trinity triangle**, B.; area bounded by Huntington avenue, Trinity place, and St. James avenue sometimes so called; included in Copley square, April 21, 1885.
- Trowbridge court**, Dor.; from Faulkner street to railroad near Field's Corner station.
- ***Troy street**, B., 1845; from Harrison avenue to Albany street; laid out and widened, June 20, 1871. L 625, L 697, L 2287.
- ***Trull street**, Dor.; from Hancock street to Bellevue street; laid out, Dec. 10, 1875. L 1114.
- ***Trumbull street**, B.; from Newland street to Ivanhoe street; laid out, Nov. 9, 1870. L 540, L 581.
- Trumbull street**, E. B.; from end of Reynolds street to end of Milton street.
- ***Truro street**, B.; from Yarmouth street to Harwich street; laid out, Oct. 21, 1882. L 1658.
- Tucker place**, B., 1859; from 52 Joy street, west.
- Tucker street**, B., 1803; from Leverett street, east, then south, to Green street, 1803; called also New Prince street previously to 1788; named Leverett place or alley, 1812; called Lyman place, 1834; Lyman street, 1856; part of Lyman street, near Green street, included in Staniford street, May 11, 1886.
- Tucker street**, Dor.; from Lauriat avenue to Chapman avenue.
- Tuckerman street**, B., 1831; from Dover street, north; named Parkman street, 1846; Albion street, 1849.
- Tuckerman street**, So. B.; from Dorchester street to Short street.
- Tucker's corner**, B., 1800; corner of Leverett street and Green lane.
- †**Tudor street**, So. B.; from B street to Dorchester street; accepted and dedicated as a public highway between E street and F street, Sept. 8, 1864; laid out between C street and D street, Sept. 5, 1870; laid out between D street and E street, Nov. 15, 1873; laid out between F street and Dorchester street, Aug. 5, 1892. L 557, L 1488, L 2421.
- Tudor's building**, B., 1817; next the Court-house, Court street; now part of Young's Hotel.
- Tufts court**, Chsn.: from Tufts street to Corey street; named Tufts-street place, July 21, 1869; called also Tufts-street avenue on atlas, 1885 and 1892.
- ***Tufts street**, B., 1855; from South street to Kingston street; South-street place laid out, Oct. 23, 1855, and name changed to Tufts street, Dec. 18, 1855; laid out from Lincoln street to Kingston street, Sept. 28, 1889. L 1900, L 2170.
- ***Tufts street**, Chsn.; from Bunker Hill street to Medford street; accepted from Bunker Hill street to Benjamin Adams' line, March 24, 1834; continued to Lexington street, March 6, 1849; opened and graded from Tufts street to Lexington street (part last laid out), June 6, 1850; part leading from and at right angles with Lexington street named Princeton street, Oct. 6, 1851; laid out and accepted from Princeton street to Medford street, Sept. 15, 1856.
- Tufts-street avenue**, Chsn.; from Tufts street to Corey street; same named Tufts-street place, July 21, 1869; called also Tufts court, but Tufts-street avenue on atlas, 1885 and 1892.
- Tufts-street court**, Chsn.; south from Tufts-street avenue.
- Tufts-street place**, Chsn.; from Tufts street to Corey street; named, July 21, 1869; called Tufts court by directories and Tufts-street avenue by atlas, 1885 and 1892.

- *Tupelo street**, Rox.; from Savin street to Quincy street; laid out, Nov. 23, 1881. L 1571.
- Turnagain alley**, B., 1708; the alley leading from the Common, east, on the north side of Madam Usher's house; name changed to Temple place, 1830.
- Turner street**, B.; George street, now Hancock street, so called at one time.
- *Turner street**, Rox.; from Haviland street to Astor street; laid out, including a part of Francis street, Nov. 16, 1894. L 2657, L 2658.
- *Turnpike street**, So. B.; filled up and built from termination of South Boston turnpike (now Dorchester avenue) at Broadway to new bridge at First (now West First) street, Oct. 21, 1828; accepted between Dorchester line and Fourth (now West Fourth) street, Sept. 27, 1852; name changed to Dorchester avenue, March 27, 1854.
- Turpin court**, Dor.; from East Cottage (formerly Cottage) street; between Sumner street and Pleasant street, south-westerly; called Davis place on chart, 1884; now Cottage side, from East Cottage street to Willis street.
- Tuttle avenue**, Dor.; from Savin Hill avenue to Hartland street; laid out as Tuttle street, Nov. 16, 1891. L 2364.
- *Tuttle street**, Dor., 1891; from Savin Hill avenue to Hartland street; Tuttle avenue laid out as Tuttle street, Nov. 16, 1891. L 2364.
- Twelfth street**, Rox.; from St. Botolph street to B. & P. (now N. Y., N. H. & H.) R.R.
- Twombly place**, Rox.; from 783 Parker street.
- Tyler court**, B., 1844; from Harrison avenue, opposite Pine street; closed.
- Tyler place**, B., 1842; from Tyler street, near Kneeland street, easterly.
- *Tyler street**, B., 1841; from Beach street to Curve street; from Beach street, south, called Buffalo street, 1839; extended to Curve street and named Tyler street, 1841; accepted from Beach street to Kneeland street, Oct. 5, 1846, also, Oct. 18, 1847; accepted from Harvard street to Oak street, July 10, 1848; accepted from Harvard street to Kneeland street, and also from Oak street to Curve street, Jan. 5, 1856. L 1533.
- Tyler's corner**, B., 1732; corner of Ann street and Swing-bridge lane (now Hanover street and Merchants' row).
- Tyng's alley**, B., 1712; from Cornhill (now Washington street) into Brattle street; named, May 12, 1712.
- Tyso park**, Rox.; from Dennis street, south-east, nearly opposite Stafford street; shown in Bromley's atlas, 1890; now called Woodville park.
- Tyson street**, Dor.; (proposed) from Boston street, opposite Harvest street, north-westerly; shown on atlas, 1884.
- *Ulmer street**, Rox.; from Minden street to Arklow street; a portion of Heath place from Minden street to Arklow street named Ulmer street, March 1, 1882. L 1117.
- *Union avenue**, Dor., 1869; from Bowdoin street to Geneva avenue; laid out from Bowdoin street to Green street (now Geneva avenue), being called on Moseley's plan Smith avenue, Bowdoin avenue, and Love Lane avenue, but called Union avenue throughout, Dec. 28, 1869; accepted as Union street, April 5, 1852; part between Geneva avenue and Rosseter street named Olney street, March 1, 1888; part between Olney street and Bullard street named Rosseter street, March 1, 1889; part between Bowdoin avenue and Bowdoin street, being a continuation of Bullard street, named Bullard street, March 1, 1889. L 1650, L 1651, L 1652, L 2020.

- Union avenue, W. Rox.;** from Walter street, near and north-east of South street; now included in Hewlett street.
- Union avenue, W. Rox.;** from Green street at Jamaica Plain station to Starr (now Everett) street, 1874; made part of Call street, Dec. 4, 1877.
- †**Union avenue, W. Rox.;** from Washington street, north-west, then north-east, to Green street; same in 1874; part of from Green street parallel with Washington street laid out, Aug. 13, 1877. L 1257.
- Union court, E. B.:** from Everett street to Maverick street, near B., R. B. & L. R.R.
- Union court, Chsn.;** from Main street, westerly, near and south of Union street; same in 1875.
- ***Union park, B. 1851;** from Shawmut avenue to Montgomery street; from Shawmut avenue to Tremont street called Weston street or square, 1826; named Union park, May 19, 1851; new street from Washington street to Shawmut avenue in continuation of Union park opened, May 3, 1852, and named Union park, May 24, 1852; accepted and laid out as a public highway, Oct. 17, 1855; portion from Washington street to Shawmut avenue named Union-Park street, April 23, 1856; laid out by Water Power Company, west of Tremont street to street marked K (now Montgomery street); same part accepted, Sept. 2, 1861. Vol. 31, pp. 2, 7, 33. L 84.
- Union Park passageway, B.;** from Shawmut avenue to Tremont street, between Union Park and Upton street; laid out 20 feet wide and extended to Shawmut avenue and Tremont street, April 21, 1857; approved and dedicated as a public way, Jan. 19, 1858, but City Solicitor rules (1879) that the action was illegal, there having been no order of notice.
- ***Union-Park street, B. 1856;** from Shawmut avenue to Albany street; portion of Union park from Washington street to Shawmut avenue named Union-Park street, April 23, 1856; accepted Dec. 7, 1857; Blake's court, from Washington street to Harrison avenue, dedicated as a public highway and named Union-Park street, Oct. 16, 1860; extended with Waltham street from Harrison avenue to Albany street, Aug. 8, 1862. L 180, L 181, L 185, L 260, L 2520.
- Union place, B.;** from Wall street, west, between Causeway street and Coting street; same in 1859.
- Union place, E. B.;** from Porter street, near Chelsea street, south-west, then north-west.
- Union place, E. B.;** from Princeton street, near Shelby street, southerly.
- ***Union square, Bri.;** junction of North Beacon street, Cambridge street, and Brighton avenue; same in 1875.
- ***Union street, B., 1828;** from Dock square to Haymarket square; the way leading from Platt's corner, north-west, crossing Hanover street to the Mill-pond, 1708; from the conduit at Dock head to the Mill-pond, 1732; previous to 1708 and until 1828, part from Hanover street to the Mill-pond called also Green Dragon lane; widened and named Union street, 1828; small portion discontinued between Hanover street and North Federal court, July 20, 1857; portion near estate of "Mary Homer's heirs" discontinued, Dec. 16, 1857. Vol. 31, p. 44. L 5, L 63, L 89.
- Union street, Rox., 1825;** from new lane (now Warren street) near Roxbury street as far as street is open, with passageway to Sumner (now Palmer) street accepted, March 1, 1819; named from Warren street to Sumner (now Palmer) street, May 9, 1825; name changed to Taber street, April 21, 1868.
- Union street, Dor.;** from Freeport street, north-east, to Pleasant street (Commercial Point).

- ***Union street**, Dor.; from Bowdoin street to Green (now Geneva avenue and Olney) street; Union avenue accepted as Union street, April 5, 1852.
- †**Union street**, Chsn.; from Main street to railroad, south of Lynde street; from Main street to Washington street accepted, Sept. 16; 1813; laid out from Washington street to Lynde street, Sept. 17, 1896. L 2789.
- ***Union street**, Bri.; from Washington street to Chestnut Hill avenue; laid out from Rockland street (now Chestnut Hill avenue) to end of Shepard street, March 30, 1857; accepted, April 13, 1857; accepted from junction with Rockland street and Union street to Howard place, July 18, 1872.
- Union terrace**, W. Rox.; from Morton street to Forest Hills avenue near entrance to cemetery; same in 1874; part shown as Cary street on recent atlases.
- Union wharf**, B.; from Commercial street, east, between Battery street and Eastern avenue.
- Unity court**, B.; from Unity street, north-west, then north-east; same in 1830.
- ***Unity street**, B.; from Charter street to Tileston street; called Elias or Ellits street, 1733 to 1795; called also Clough street in 1756, Suffolk Deeds, Lib 89 fol.148; called Unity street, from Charter street to Love lane (now Tileston street), 1795; confirmed as a public street, Sept. 15, 1834.
- Upham avenue**, Dor.; from Hancock street to beyond Cushing avenue; formerly from Hancock street easterly, then northerly, then north-westerly, to Hancock street again; called Upham street on recent atlases; Thacher avenue laid out as Cushing avenue, and extended in part over northerly part of Upham avenue to Hancock street, Oct. 28, 1881. L 1564.
- Upham street**, Dor.; see Upham avenue.
- Upham street**, So. B.; (proposed) from Dorchester avenue to Richardson avenue (proposed).
- Upham's corner**, Dor.; junction of Hancock, Stoughton, Boston and Dudley streets.
- Upham's court**, Dor.; from Boston street, east, opposite Hamlet street; same in 1874.
- Upland avenue**, Dor.; from Melville avenue to Park street; authority to open given by Street Commissioners, Oct. 1, 1891.
- Upland place or street**, Rox.; from Norfolk avenue, north-easterly, parallel with Magazine street; same in 1873.
- Upper road**, Dor.; from Roxbury to Milton; old name of Washington street.
- Upton court or street**, Bri.; from Western avenue, south-easterly, near Charles river; same in 1875; also called Upton's lane.
- ***Upton street**, B., 1857; from Shawmut avenue to Tremont street; called Chelsea street, 1826; named Upton street, April 21, 1857. Vol. 31, p. 7. L 294.
- Usher's lane**, B.; mentioned by Drake in 1677; probably Short street or Blind lane.
- Utica place**, B.; from Utica street, easterly, between Kneeland street and Beach street; same in 1842.
- †**Utica street**, B., 1840; from Tufts street to south of Kneeland street; from Beach street near Lincoln street, 1840; extended to Harvard street (which part of Harvard street no longer exists), 1843; from Kneeland street to Harvard street accepted, Sept. 28, 1846; ex-

tended north to South-street place (now Tufts street), 1849; from Beach street to Kneeland street accepted, May 8, 1857; laid out from Beach street to Kneeland street, Sept. 29, 1884. L 1823.

Vale place, Rox.; part of Vale street from Marcella street to end of Thornton street; so called on chart, 1873; now part of Thornton street.

Vale street, W. Rox.; from La Grange street, south-west, between Pleasant street and Mt. Vernon street.

***Vale street**, So. B.; from Dorchester street crossing Mercer street with proposed extension to "Old Harbor;" laid out from Dorchester street to Old Harbor street extended, Nov. 17, 1868. L 238.

***Vale street**, Rox.; from Thornton street to Marcella street; by chart, 1873, from Marcella street, generally south-easterly, then south-westerly, to Marcella street, the last part being called Vale place; Thornton street extended to Marcella street through part of Vale street, Oct. 25, 1873; Vale street laid out from Marcella street to Thornton street, Nov. 26, 1875. L 906, L 1098.

***Valentine street**, Rox.; from Washington street to Fulda street; part of Thornton street from Washington street, west, to Thornton street "as recently laid out" named Valentine street, Oct. 19, 1875; portion of discontinued, Aug. 9, 1876; laid out from Thornton street to Fulda street, June 23, 1890. L 905, L 2235.

Valley acre, B.; east, from Becon Hill, between the present Bowdoin street and Somerset street, 1777.

†**Vancouver street**, Rox.; from Ward street to Ruggles street; laid out from Huntington avenue to Ruggles street, May 20, 1896. L 2767.

Vandyke street, E. B.; from Addison street to Trumbull street.

Vane street, W. Rox.; from Holbrook street, south-west.

Van Ness terrace, Rox.; from No. 242 Warren street, at corner of Dunreath street.

Van Rensselaer place, B., 1852; from Tremont street, west, between Boylston street and Eliot street; called Foster court, 1826; Foster place or South Foster place, 1831; Van Rensselaer place, 1852.

Van Winkle street, Dor.; from Dorchester avenue to Shawmut Branch R.R., and from Shawmut Branch R.R. to Carruth street.

***Varney street**, W. Rox., 1894; from Wenham street to Wachusett street; Yale street laid out as Varney street, June 9, 1894. L 2599.

Vaughan avenue, Dor.; from Geneva avenue, easterly, between Columbia street and N. E. R.R.

Vaughan street, Dor.; from Blue Hill avenue to Harvard street.

Venice street, E. B.; (proposed) from Maverick street to proposed part of Putnam street.

Vera street, Dor., 1891; from Freeport street to Volga street.

Vermont avenue, W. Rox.; from Corey street, with proposed extension to Mt. Vernon street; laid out as Vermont street, Sept. 30, 1895. L 2737.

Vermont street, W. Rox., 1895; from Corey street to Mt. Vernon street; Vermont avenue laid out with name of Vermont street and extended to Mt. Vernon street, Sept. 30, 1895. L 2737.

Vernon court, Rox.; from Vernon street, southerly, between Kent street and Vernon place.

Vernon place, B.; from Charter street, east, nearly opposite Unity street; same in 1825.

Vernon place, Rox.; from Vernon street, southerly, opposite Haskins street.

- Vernon place, Bri.;** from Vernon (now Raymond) street, north-easterly; part of Everett square, 1890; part included in laying out of Westford street, May 18, 1891.
- Vernon street, B.,** 1828; from Leverett street, 1825; laid out and named, March 15, 1828; name changed to Willard street, April 21, 1868.
- *Vernon street, Rox.;** from Washington street to Tremont street; from Washington street to the watering place laid out, Jan 19, 1662; Norfolk street accepted, extended to Washington street over a part of Williams street, and name changed to Vernon street, May 16, 1842; extended through Factory street and called Vernon street, May 16, 1842; from Washington street to Cabot street, 1849; extended from Cabot street through Foundry street to Tremont street, May 7, 1869. L 440, L 528, L 2175.
- Vernon street, Bri.;** from Franklin street to Everett street; laid out, Dec. 16, 1873; laid out as Raymond street, July 29, 1884. L 1796.
- Vicksburg place, } So. B.;** from East First street to East Second street,
Vicksburg street, } near I street.
- *Victor street, Dor.,** 1894; from Brook avenue to Dean street; Granville place laid out as Victor street, July 26, 1894. L 2672.
- *Victoria street, Dor.;** from Dorchester avenue to Pleasant street; laid out from Dorchester avenue, north-westerly, towards Pleasant street, Jan. 14, 1884; extended to Pleasant street, May 21, 1886. L 1753, L 1906.
- Vila street, Rox.;** from Francis street to Longwood avenue.
- Village place, B.,** 1833; from West Castle (now Castle) street to West Orange street, opposite Village street; now built over. L 546.
- *Village street, B.;** from Dover street to Castle street; from Dover street, north, 1831; extended to Castle street and accepted, Nov. 20, 1855. L 54, L 544, L 546, L 724, L 838.
- Vinal place, B.;** from Harrison avenue near and south of Pine street, 1859; included in laying out of Broadway, July 3, 1880. L 1466.
- Vincent court, B.;** from Harvard street, south 1855; built over.
- Vincent lane, B.;** from Marlboro' (now Washington) street to Bishop's alley (now Hawley street), 1777; deeds of land to enlarge given Town provided street be called Franklin street, March 27, 1797; named Franklin street, 1798.
- Vine avenue, Rox.;** from Vine street, south-easterly, near Mt. Pleasant avenue.
- *Vine street, B.;** from North Russell street to Bridge (now North Anderson) street, 1806; confirmed as a public street, Sept. 15, 1834. lower part from Bridge street to North Grove street accepted, May 10, 1852; name changed to Parkman street, April 21, 1868. L 94.
- *Vine street, Rox.;** from Dudley street to Mt. Pleasant avenue; accepted conditionally, Nov. 17, 1851.
- *Vine street, Chsn.;** from Chelsea street to Bunker Hill street; laid out according to its present bounds, Oct. 13, 1851; laid out and extended from Moulton street to Bunker Hill street, May 3, 1858. L 1986, L 2591, L 2738.
- Vine-street place, B.;** from Parkman street, northerly, to Seabury place; same in 1851; (from Vine, now Parkman, street, north).
- Vinson street, Dor.;** from Melville avenue to Geneva avenue; authority to open from Park street to Geneva avenue given by Street Commissioners, December 7 and December 30, 1891.
- Vinton court, Chsn.;** from Henley street, northerly; same in 1875.
- *Vinton place, So. B.;** from Vinton street, north-east; so called in directory, but called Thomson court on atlases.

- *Vinton street**, So. B.; from Dorchester street to O. C. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 12, 1866; laid out from Dorchester street to the railroad, Nov. 17, 1868. L 345, L 1830.
- Virginia avenue**, Dor.; private way from Dudley street to Bird street; laid out and named Virginia street, March 21, 1881. L 1518.
- Virginia avenue**, W. Rox.; from Centre street to Roanoke avenue, 1849; now included in Starr lane and a part of Seaverns avenue.
- *Virginia street**, Dor.; from Dudley street to Bird street; private way called Virginia avenue laid out as Virginia street, March 21, 1881, L 1518.
- Volga street**, Dor., 1891; from Neva street.
- Von Hillern street**, Dor.; (proposed) from Locust street to Mt. Vernon street, at Dorchesterway.
- Vose street**, Dor.; from Butler street, at junction with Riverview avenue to Crest avenue.
- *Wabeno street**, Rox.: from Wyoming street to Waumbeck street; laid out, Oct. 27, 1887. L 2036.
- *Wabon street**, Rox.: from Warren street to Wabeno street; laid out May 19, 1881. L 1523.
- †Wachusett street**, W. Rox., 1887; from Walk Hill street to south of Eldridge road; formerly Walk Hill avenue; laid out from Walk Hill street, north-easterly, Oct. 3, 1887; extended to what is now Weld Hill street, March 5, 1889; authority to open from Walk Hill street to south of Eldridge road given by Street Commissioners, Aug. 5, 1896. L 2028, L 2114.
- Wadleigh place**, So. B.; from Ellery street, south-westerly, to South bay.
- Wadsworth corner**, B., 1732; corner of Middle (now Hanover) street and Bell alley (now Prince street), then so called.
- Wadsworth street**, Bri.; from Pratt street, south-east, then south-west, to Ashford street.
- *Wait street**, Rox., 1882; from Huntington avenue (formerly Tremont street) to Hillside street; shown as Garden street on plan dated 1845; private way called Hillside avenue, laid out and named Wait street, Oct. 24, 1882. L 1659.
- Wakefield's alley**, B., 1720; from Middle (now Hanover) street, east, north of Cross street; closed.
- *Wakulla street**, Rox.; from Rockland street to Dale street; laid out, Dec. 6, 1875. L 1109.
- Walcott street**, So. B.; (proposed) from Richardson avenue (proposed) to and crossing Washington avenue (proposed).
- Waldeck street**, Dor.; from Melville avenue to Geneva avenue, parallel with Shawmut Branch R.R.; authority to open from Park street to point beyond Linsey street given by Street Commissioners, Jan. 18, 1893.
- Waldemar avenue**, Breed's Island; from Chelsea creek to Walley street; authority to open from Overlook street to Boston & Maine R.R. given by Street Commissioners, Aug. 26, 1896.
- Walden park**, Rox.; from Highland street, north-west; laid out as Morley street, Sept. 23, 1887. L 2027.
- Walden place**, Rox.; from Heath street, south-easterly; laid out, extended to Centre street, and named Walden street, Nov. 23, 1874. L 987.
- *Walden street**, Rox., 1874; from Heath street to Centre street; Walden place laid out, extended to Centre street, and named Walden street, Nov. 23, 1874. L 987.

- Walder street**, B.; that part of Causeway street next Leverett street was so called at an early date.
- Waldo street**, B.; from St. Botolph street south-east between Gainsborough street and Whitman street.
- Waldorf street**, Dor.; from Ashmont street to Mellen street.
- Wales corner**, B., 1708; corner of Middle (now Hanover) street and Prince street then so called.
- Wales lane**, Dor., 1836; part of Columbia street, crossing Upper road (now Washington street) from Boston to Milton; Bowdoin avenue and Love lane so called on plan dated 1836.
- Wales place**, Dor.; from Columbia street to Olney-street place.
- † **Wales street**, Dor.; from Blue Hill avenue to Nightingale street; laid out, Nov. 10, 1876; from Blue Hill avenue to Harvard street; from Harvard street to Nightingale street; authority to open given by Street Commissioners, Oct. 1, 1891. L 1190.
- Wales wharf**, B.; from Federal street, south-east, nearly opposite Beach street.
- Walford street**, Chsn.; from Bow street, south-west, to land of Fitchburg R.R.; shown as a passageway from Bow street to Front street in 1838; called Walford street, and shown as of same extent in 1874; portion closed by railroad taken by authority of Acts of Legislature of 1873.
- * **Walker avenue**, Chsn., 1847; from Walker street to Russell street; laid out, accepted and named, Aug. 28, 1847.
- Walker avenue**, Chsn., 1869; from Main street, south-west; West Walker street laid out 40 feet wide, Sept. 29, 1869; called also West Walker street and Walnut avenue; name changed to Lincoln street, Dec. 27, 1869.
- Walker place**, B., 1872; from Northampton street, south-west, between Washington street, and Shawmut avenue, nearly opposite Chester place.
- Walker street**, W. Rox.; from South street to John A. Andrew street; so shown, but not laid out, on plan dated 1871; part between John A. Andrew street and Elm street laid out as Sedgwick street, Dec. 5, 1881; Sedgwick street extended over Walker street to South street, Dec. 7, 1887. L 1575, L 2045.
- * **Walker street**, Chsn.; from Main street to Wall street; part from Main street to Russell street accepted, Nov. 28, 1831; remainder shown on plan dated 1848; extended from Russell street to Bunker Hill street, Nov. 25, 1867; discontinued between Wall street and Bunker Hill street, Oct. 4, 1869.
- Walker street**, W. Rox.; from Weld street to Joy street, near Brookline line.
- Walker-street court**, Chsn.; from Walker avenue, north-west.
- Walker's lane**, } B., 1741; from Orange (now Washington) street,
- Walker street**, } west, next south of Hollis street; Clough street, 1743; Nassau street, 1788; Common street, 1824; Tremont street, 1829; Common street again, 1836.
- Walk Hill avenue**, W. Rox.; from Walk Hill street, north-easterly, to unnamed street (now Weld Hill street) leading to cemetery; same given as Mountain street on map, 1849, but no record of change of name; laid out as Wachusett street Oct. 3, 1887, and March 5, 1889. L 2028.
- Walk Hill road**, Dor. and W. Rox.; an old name for Walk Hill street; part shown on plan dated 1833.
- * **Walk Hill street**, Dor. and W. Rox.; from South street at junction with Morton street to Norfolk street; laid out from road leading from Boies' Mill to Deacon James Baker's to Old road leading to

- Meeting-house, Jamaica Plain, April, 1802; located by County Commissioners, April, 1804; named from Dedham turnpike (now Washington street) to Dorchester line, May, 1825; B & P. (now N.Y., N.H. & H.) R.R. having built $45\frac{1}{2}$ rods of new road to avoid crossing said street near junction with Norfolk and Bristol turnpike (now Washington street) three times in about 50 rods, same accepted by County on plan of Old road, December, 1835; lines changed from railroad to Mountain street (now Wachusett street), Dec. 30, 1850; from Hyde Park avenue to Washington street laid out by County Commissioners, April 18, 1853; laid out at uniform width of 50 feet, July 3, 1871; altered from Hyde Park avenue to Stony brook, Sept. 27, 1871; name of Jamaica street, from Norfolk street to Walk Hill street, changed to Walk Hill street, being a continuation of the same, May 9, 1876; same part shown as Walk Hill street on plan dated 1838. L 942, L 943, L 944, L 1151, L 1344, L 2500, L 2785.
- *Wall street, B.**, 1839; from Minot street to Causeway street; from Minot street to the jail, 1839; extended to Causeway street, including Cotting court, Sept. 27, 1852.
- Wall street, B.**, 1829; from Spruce street to Charles street; accepted and named Sept. 21, 1829; (no other record, the only street from Spruce street to Charles street of which there is record is Branch avenue (now street), which is nowhere given as Wall street).
- Wall street, Rox.**, from Plymouth street south-east, on plan dated 1862; (the only street shown at present from Plymouth street is Woodstock street, which is very old).
- *Wall street, Chsn.**, 1860; from Sullivan street to Walker street; laid out and accepted from Sullivan street to Russell street, Nov. 30, 1860.
- Wallace court, or place, Chsn.**, 1849; from Winthrop street, south-east; shown as an unnamed court from High (now Winthrop) street, south-east, on plan dated 1839; same named on plan dated 1849.
- Wallace park, W. Rox.**; from Bourne street, westerly, near Catherine street.
- †Walley street, E. B. (Breed's Island)**; from Bennington street at junction with Ashley avenue to Revere line; part from Elm (now Leyden) street to Terrace avenue (now Gladstone street), formerly Washburn avenue laid out as Walley street, Aug. 23, 1886; extended from Leyden street over part of Ashley avenue to Bennington street, July 3, 1888. L 1932, L 2073.
- Wallingford road, Bri.**, 1895; from Commonwealth avenue, north-westerly, to Chestnut Hill avenue; authority to open given by Street Commissioners, Jan. 1, 1895.
- Wall's place, Chsn.**; from Henley street, north, between Putnam street and Chelsea street.
- Waln street, Rox.**, 1833; from Francis (now part of Turner) street, south-east, parallel with Baldwin street, to point about 220 feet north-west of Massachusetts avenue (formerly West Chester park); shown on plan dated 1833, from Francis street, south-east, to the channel in empty basin; part from point 220 feet north-west of Massachusetts avenue, south-east, abandoned.
- *Walnut avenue, Rox. and W. Rox.**, 1868; from Warren street to Forest Hills street (1884) (now to Sigourney street only); laid out as Back street, from Warren street to South street, Jan. 19, 1862; named Back street, May 9, 1825; name changed to Walnut street, Nov. 20, 1843; named Walnut avenue, April 21, 1868, but so given on plan dated 1862; laid out between Rockland street and Buena Vista avenue (now street), Dec. 15, 1868; part of nearly opposite Walnut park altered, Dec. 13, 1870; part of Walnut street from

Seaver street to Forest Hills street named Walnut avenue, March 1, 1884; part of south of Sigourney street now in Franklin park, L 419, L 578, L 824, L 1633, L 1816, L 2134 L 2377.

Walnut avenue, W. Rox.; from Corey street, south-west, towards Mt. Vernon street, 1853; later called Carl street; Carl street laid out as Montview street, from Corey street to Mt. Vernon street, Nov. 17, 1893.

Walnut avenue, Chsn., 1869; laid out from Main street, Sept. 29, 1869; called also Walker avenue and West Walker street; name changed to Lincoln street, Dec. 27, 1869.

Walnut court, Rox.; from Walnut avenue, south-east, between Pickering place and Dale street.

Walnut court, Chsn.; from Walnut street, north-west, near Medford street.

***Walnut park**, Rox.; from Washington street to Walnut avenue; accepted, July 27, 1863.

Walnut place, B., 1860; from Washington street to Reed street; laid out under the name of Flagg street, June 5, 1895. L 2703.

Walnut place, W. Rox.; from Green street, north-east, between Lamartine street and Chestnut avenue; laid out as Cheshire street, May 2, 1881. L 1521.

***Walnut street**, B., 1799; from Beacon street to Mt. Vernon street; the easterly half called Coventry street, 1733-91; from Beacon street to Olive (now Mt. Vernon) street called Walnut street, 1799; confirmed as a public street, Sept. 15, 1834; part of at one time called Bishop-Stoke street.

Walnut street, Rox.; from Cedar street, north-east, crossing Dorr street; formerly called Ascension street; now Lambert avenue.

***Walnut street**, Rox. and W. Rox., 1843; from Warren street to South street; laid out as Back street, Jan. 19, 1862; name changed to Walnut street, Nov. 20, 1843; boundary lines established from Dale street to Townsend street, Sept. 8, 1856; line changed, March 23, 1863; a part relocated and portion in West Roxbury accepted, March 21, 1864; named Walnut avenue, April 21, 1868; part from Seaver street to Forest Hills street named Walnut avenue, March 1, 1884; part now in Franklin park.

***Walnut street**, Dor.; from Neponset avenue to Ericsson street (Neponset); located as Pineneck lane, May 13, 1805; located as Walnut street from Neponset avenue to "Pineneck," April 3, 1854; street leading from house of William L. Clark to O. C. (now N. Y., N. H. & H.) R.R., accepted and named Walnut street, April 3, 1854; all parts of "Old road" leading from said house to Neponset turnpike (now avenue) not appearing on plan discontinued, April 3, 1854; part leading from O. C. R.R. to Neponset turnpike located, April 3, 1854; continued from Water street 1,072 feet, April 5, 1858. L 1063, L 2138.

Walnut street, W. Rox.; from Spring street to Belle avenue; shown in 1870.

***Walnut street**, Chsn.; from Bunker Hill street to Medford street; laid out and accepted, Aug. 6, 1866; laid out and accepted, Sept. 29, 1869; near location of former Mallet street. L 1185.

Walnut-street court, Dor.; from Walnut street, east, near Water street.

***Walpole street**, Rox., 1881; from Tremont street to Grinnell street; private way called Franklin place laid out from Tremont street and named Walpole street, Nov. 16, 1881; laid out from Berlin street to Grinnell street, April 2, 1890. L 1570, L 2217.

Walsh place, B., 1872; from Clark street, south-west, near Hanover street.

- ***Walter street**, W. Rox.; from Centre street to South street; part from Centre street, southward, past Weld street, shown but not named on plan dated 1815; named from Centre street to South street, May 9, 1825; probably a public highway some time previous. L 2736.
- Walter's court**, B., 1853; from Endicott street, east, near Cooper street; called Alton place, 1857; closed.
- ***Waltham street**, B., 1826; from Tremont street to Union-Park street; laid out on the Neck and named, July 24, 1826; from Tremont street to Suffolk street (now Shawmut avenue) named Waltham street, Sept. 15, 1834; extended from Suffolk street to Washington street, April 19, 1847; extended from Washington street to Harrison avenue, including part of Adams place, Sept. 18, 1848; lines established, Oct. 11, 1855; accepted, Dec. 7, 1857; extended with Union-Park street (they unite as Union-Park street a little south-east from Harrison avenue), from Harrison avenue to Albany street, Aug. 8, 1862. Vol. 31, p. 7. L 116, L 260, L 2520.
- ***Walton street**, Dor.; from Washington street to Harley street; laid out, July 31, 1873. L 887, L 2173.
- ***Wapping street**, Chsn., 1790; from Chelsea street to Water street; deed from Town to Mr. Jno. Harris of a piece of land at Wapping in lieu of land taken from him to accommodate the road, 1790; part of Wapping street discontinued on establishment of Navy Yard by a line across the same on easterly bounds of 21-foot passageway belonging to Town which leads to low-water mark, Jan. 14, 1801; widened in 1807 and 1830.
- Wapping street**, Chsn.; mentioned, Feb. 5, 1798, as a former name of Henley street (no other record).
- Ward court**, So. B.; from Ward street, north-easterly.
- ***Ward street**, So. B., 1855; from Dorchester street to Preble street; formerly called Centre street; named Ward street, Aug. 7, 1855; laid out, June 14, 1867. L 450, L 454, L 2392.
- ***Ward street**, Rox., 1853; from Huntington avenue to N. Y., N. H. & H. R.R.; from Bumstead lane (now St. Alphonsus street) crossing Phillips street, Parker street, and Halleck street to B. & P. (now N. Y., N. H. & H.) R.R., 1853; laid out 40 feet wide from Parker street, south-east, to Tremont street; seems to have been called at first Charles street, though shown as Ward street on plan dated 1853; name of Charles street changed to Ward street, April 21, 1868; laid out, June 14, 1869; laid out to B. & P. R.R., Nov. 15, 1877; laid out from Parker street to Huntington avenue, June 3, 1886. L 1290, L 1907, L 1908.
- Ward's wharf**, B.; from Federal street, east, near Federal-street bridge.
- Ware place**, B., 1853; from Richmond (now Parmenter) street, north, near Hanover street, 1853; not now named.
- ***Ware street**, Dor.; from Trull street to Rill street; laid out, March 26, 1880. L 1440.
- ***Wareham street**, B., 1849; from Harrison avenue at its junction with Malden street to Albany street; named from junction Harrison avenue and Malden street extended to a dock in South bay, May 14, 1849; accepted, Oct. 30, 1860.
- Warland place**, B.; from Hanover street, north-west, then north-east, near Commercial street; same in 1867.
- Warner avenue**, Dor.; from Harvard street to Park street; formerly from Glen road (now Glenway street) to Catholic cemetery; Glen avenue (now Glenway street) from Glen road (now Glenway street) to Harvard street, shown at one time as Warner avenue.

- ***Warren avenue, B.**, 1867; from Berkeley street near Tremont street to Columbus square; called Avenue Three previous to 1855; laid out as a public street from West Canton street to Clarendon street, May 21, 1867; laid out from West Canton street to Columbus avenue, April 7, 1868; laid out from Clarendon street to Berkeley street, Nov. 17, 1868; portion bounded by Pembroke street, West Newton street and Columbus avenue named Columbus square, April 4, 1871. L 354.
- ***Warren avenue, Chsn.**; from City square to Warren bridge; laid out, accepted, and named Boston avenue, May 2, 1836; called Warren avenue in records of 1842, but no record of change of name. L 1709.
- ***Warren bridge, B.**, 1828; from Causeway street, opposite the end of Beverly street, northerly, to Charlestown; from the foot of Haverhill street to Charlestown, 1828; since partly discontinued and now from the foot of Beverly street; discontinued in part again, Feb. 11, 1885, by which almost the entire bridge from line of solid filling at foot of Beverly street to solid filling on the north of the channel was moved easterly. L 1852.
- Warren place, B.**, 1820; from Warren (now Warrenton) street to Pleasant street, 1820; name changed to Warrenton place, April 21, 1868.
- ***Warren place, Rox.**; from Warren street at junction with Harrison avenue to Peavear court; laid out from Warren street, June 20, 1874. L 717, L 940.
- Warren place, Dor.**; from Washington street, south-west, between Fuller street and Codman street; included in present Fairmount street.
- ***Warren square, B.**, 1839; at the junction of Merrimac street, Market street, and Friend street; from Merrimac street to Friend street, 1839.
- Warren square, W. Rox.**; from Green street, by two branches north-east, to Centre place.
- Warren street, B.**, 1788; from Hancock street, west, to Cambridge bay; named by Selectmen, July 4, 1788; from Hancock street to West Centre (now Anderson) street called Myrtle street, 1814; part near the river probably discontinued.
- ***Warren street, B.**, 1795; from Orange (now Washington) street to Eliot street, 1795; confirmed as a public street, Sept. 15, 1834; name changed to Warrenton street, April 21, 1868.
- ***Warren street, Rox.**, 1825; from Washington street to Blue Hill avenue; laid out, Jan. 19, 1862; named from Washington street through Upper road to Dorchester line, May 9, 1825; staked out, June 16, 1836; lines established near Dennis street, June 30, 1856; line established, Oct. 17, 1859. L 386, L 513, L 525, L 717, L 730, L 795, L 809, L 902, L 1264, L 1265, L 1369, L 1422, L 2004, L 2084.
- ***Warren street, Chsn.**, 1786; from junction of Park street and Henley street to Main street at Thompson's square; street leading from Main street to Back street recorded by name of Warren street, Feb. 20, 1786; Back street from the square to Main street called Warren street, March 3, 1834; laid out near site of fire from the square to Joiner street, Dec. 7, 1835; land at junction Warren street and Joiner street given to Town by Henry Jacques, May 28, 1838; extended in a straight line from Joiner street to a point near junction with Winthrop square, Sept. 7, 1868; laid out from City square to Winthrop square, Nov. 30, 1868; name of Park street given to portion beginning at City square, with extension to Winthrop square, Dec. 29, 1868; Warren street and Main street merged together near Church court, May 19, 1869. L 1086.
- ***Warren street, Bri.**, 1860; from Cambridge street to Brookline line; laid out by County Commissioners, Oct. 21, 1858; accepted by Commissioners, Jan. 2, 1860; named, March 5, 1860. L 2530.

- Warrenton place, B.**, 1868; from Warrenton street to Pleasant street; called Warren place, 1820; named Warrenton place, April 21, 1868.
- *Warrenton street, B.**, 1868; from Washington street to Eliot street; called Warren street, 1795; confirmed as a public street, Sept. 15, 1834; named Warrenton street, April 21, 1868. L 1519.
- *Warwick street, Rox.**; from Hammond street to Ruggles street; laid out, Sept. 1, 1871. L 663, L 664.
- Washburn avenue, E. B.** (Breed's Island); from Ashley avenue to beyond Bayswater street; formerly from Ashley avenue, parallel with B., R. B. & L. R.R., to Revere line; changed to Walley street; laid out as Walley street from Elm (now Leyden) street to Terrace avenue (now Gladstone street), Aug. 23, 1886. L 1932.
- Washburn place, B.**, 1846; from Charter street, south-westerly, to rear of burial ground; same in 1846; name changed to Hildreth place, 1874; Washburn place again, 1890.
- *Washburn street, So. B.**; from Boston street to Dorchester avenue; laid out, easterly, from Boston street, Dec. 24, 1875; laid out from Dorchester avenue to Boston street, Dec. 17, 1889. L 1072, L 2190.
- Washburn street, Bri.**; from Harvard avenue, south-westerly, towards Warren street, crossing Gorham street and Griggs street; same in 1875; included in Massachusetts (now Commonwealth) avenue as laid out in 1888. L 1743.
- Washington avenue, B.**, 1821; from Washington (now Fort Hill) square to Purchase street, 1821; accepted, April 8, 1829; street known as Washington square and Washington avenue called High street, Dec. 15, 1875. L 466, L 467.
- Washington avenue, So. B.**; (proposed) from Hyde street to Locust street.
- Washington avenue, W. Rox.**; from Spring street, south-easterly, near Dedham line; same in 1874.
- Washington court, B.**, 1826; from Washington street, west, 1826; called Temple avenue, 1833; Temple place, 1864.
- Washington court, B.**, 1845; from Washington street, west, near Medford court, 1845; to be accepted conditionally and when accepted to be called Marlboro' street, Oct. 28, 1856; called Marlboro' street, 1857; Marlboro' street accepted, Oct. 4, 1859; called Acton street, 1864.
- Washington court, Rox.**; from Roxbury street, opposite Highland street, northerly; formerly called Bates place; now called Roxbury terrace.
- Washington court, Dor.**; from Minot street, south-easterly; same given as Washington street, 1874, and Washington avenue, 1880 and 1884.
- Washington Gardens, B.**, 1810; on Common (now Tremont) street, from West street to about the north line of the Masonic Temple and east, on West street, to about opposite Mason street, 1810.
- Washington park, Rox.**, 1860; between Dale street, Bainbridge street, and Paulding street; named, Oct. 29, 1860.
- Washington place, B.**, 1808; "all the buildings around the walk on Fort Hill," 1808; the square on summit of Fort Hill on outside of circular walk named Washington place, Sept. 19, 1810; called Washington square, 1837; named Washington square, April 7, 1845; named Fort Hill square, 1875.
- Washington place, B.**; from Webster avenue, north-east.
- *Washington place, B.**, 1837; from High street, south, to Belcher lane; same in 1837. L 218.
- Washington place, So. B.**; from Silver street, south-westerly, between A street and N. E. R.R.

- Washington place, Rox.;** from Roxbury street, north-east, near Allen place.
- Washington place, Chsn.;** from Washington street, north-easterly, between Devens street and Union street, near Washington square.
- Washington Mechanic place, B.,** 1828-41; from Washington street, west, next south of Fayette court, 1828-41; closed.
- Washington square, B ,** 1845; around the open space upon the top of Fort Hill; called Washington place, 1808; named Washington square, April 7, 1845; portions discontinued, July 8, 1871; park in centre of what was formerly called Washington square named Fort Hill square, Dec. 15, 1875; street formerly known as Washington square and Washington avenue named High street, Dec. 15, 1875. L 299, L 301, L 348, L 626, L 922.
- Washington square, Chsn.;** from Washington street, north-easterly, between Devens street and Union street; near Washington place.
- *Washington street, B , Rox., and W. Rox.,** 1788; from Haymarket square to Dedham line; from Dock square to School street called Cornhill, 1708; from School street to Summer street called Marlboro' street, 1708; from Summer street to Essex street called Newbury street, 1708; from Essex street to the fortification near the present line of Dover street called Orange street, 1708, from Beach street to Dover street having been so called from 1663; from Roxbury line to Orange street at fortification named Washington street, by the Selectmen, July 4, 1788; extended northerly through Orange street, Newbury street, Marlboro' street, and Cornhill to Dock square, July 6, 1824; extended from Cornhill to Haymarket square, Nov. 6, 1872; part in Roxbury laid out from Boston line to Roxbury street, Jan. 19, 1662; named from Boston line to Dedham and Worcester turnpikes, May 9, 1825; raised by B. & P. (now N.Y., N.H. & H.) R.R. over crossing near Wait's Mills, April, 1847; width adopted from Eliot square to Boston line, April 26, 1852; Norfolk and Bristol turnpike laid out as a public highway, part in Roxbury named Shawmut avenue and extended to Boston line to meet end of Shawmut avenue there, June, 1857; so much as lies in West Roxbury named Shawmut avenue, Feb. 3, 1858; prospective line established from Lowell (Pyncheon) street (now Columbus avenue) to Parker street, July 2, 1860; name of Washington street from Tremont street at Pyncheon street (now Columbus avenue) to Brookline line changed to Tremont street April 21, 1868; portion discontinued at junction of Gardner street, Dec. 15, 1868; name of Washington street from Guild row to Pyncheon street changed to Roxbury street, June 16, 1874; name of Guild row (formerly Bartlett street) from Roxbury street to Dudley street and of Shawmut avenue from Dudley street to Dedham line changed to Washington street, June 16, 1874. Between Haymarket square and Boylston street. Vol. 19, pp. 84, 87, 88, 89; Vol. 31, pp. 4, 9, 17, 41, 50, 62, 63. L 65, L 67, L 102, L 124, L 147, L 2064, L 272, L 796, L 797, L 798, L 806, L 807, L 808, L 819, L 872, L 2451. Between Boylston street and Dover street. Vol. 19, p. 123; Vol. 31, p. 56. L 29, L 177, L 193, L 302, L 380, L 510, L 521, L 545, L 547, L 549, L 562, L 563, L 727, L 2002. Between Dover street and Roxbury line. L 26, L 372, L 1770, L 2385. Roxbury District. L 402, L 420, L 504, L 520, L 768, L 945, L 946, L 1429, L 1853, L 2004, L 2246, L 2247, L 2806. West Roxbury District. L 1453, L 1454, L 1486, L 1736, L 1737, L 1738, L 2069, L 2070, L 2071, L 2580.
- *Washington street, Rox. and Dor.,** 1840; from Grove Hall to Milton, in continuation of Warren street; road from Stephen Badlam's by Edmund Baker's house to Spurr's hill altered, September, 1797; road from William Walker's by Daniel Vose's house and over Neponset River to Milton located as a public highway, April, 1800; from S. Badlam's shop to lower bridge, Milton, altered

and made a public highway, September, 1801; road at Spurr's hill altered, April, 1806; road east of Ebenr. Wale's house and to road leading to Four Corners (later Brush hill turnpike, now Blue Hill avenue) discontinued, April, 1806; road at Spurr's hill altered, April, 1807; road from Zebedee Cook, Jr.'s, garden, east side of Dorchester turnpike (now avenue) to new Town road, discontinued, July, 1824; Upper road from Roxbury to Lower Mills named Washington street, March 11, 1840; part from Warren street to Dorchester boundary line changed from Warren street to Washington street, March 1, 1886. L 570, L 739, L 776, L 1304, L 1897, L 1917, L 1918, L 1962, L 1987, L 2040, L 2173, L 2246, L 2247, L 2284, L 2386, L 2753, L 2794.

Washington street, Dor.; from Freeport street to Pleasant street (Commercial Point); formerly from Commercial (now Freeport) street to the water.

†**Washington street, Chsn.;** from Harvard street to the State Prison; from Bow street to David Goodwin's house accepted, Sept. 16, 1813; part of Arrow street from Harvard street to Bow street made a part of Washington street, Sept. 17, 1866.

Washington street, Chsn.; from Main street to Canal street (now Rutherford avenue); Winchester (now Dunstable) street erroneously so called in 1875.

***Washington street, Bri.,** 1840; from Brookline line to Newton line (1884); named from Brookline through Brighton Centre to Angier's corner, June 15, 1840; accepted from junction Cambridge street and Washington street to Brookline line, Sept. 30, 1873; relocated between Cambridge street and Market street, Jan. 1, 1879. L 1423, L 1636, L 2559, L 2560, L 2561, L 2562, L 2721.

Washington terrace, Chsn.; from Washington street, south, nearly opposite Prescott street.

Wason place, Chsn.; from Everett street, south-easterly; same in 1875.

Water avenue, Breed's Island; from Belle Isle inlet to Walley street.

***Water street, B.,** 1708; from Washington street, east, to Broad street; the street leading from Cox the butcher's shop in Cornhill, passing by Major Walley's as far as Mrs. Oliver's corner, named Water street, 1708; from Cornhill to Mackril lane (now Kilby street), 1732; from Cornhill to Oliver's dock, 1800; from Cornhill to Liberty square, 1817; extended east, through Liberty street to Broad street, March 20, 1826. L 91, L 99, L 164, L 401, L 810, L 853, L 856, L 982, L 2451.

Water street, Rox., 1845; new road from Ruggles (now Cabot) street to Williams street (now Shawmut avenue) across the marsh, named Water street, March 3, 1845; extended from Washington street to Parker street, April 2, 1855; extended to Washington street, Nov. 30, 1857; extended from Williams street to Washington street, Feb. 22, 1858; street from Parker street to Washington street, part of which has been called Ruggles street and part Water street named Ruggles street throughout, Aug. 9, 1858.

***Water street, Dor.;** from Taylor street to Fulton street (Neponset); laid out, April 5, 1858.

Water street, W. Rox.; from Williams street to Keyes street; same in 1874.

***Water street, Chsn.,** 1780; from Warren avenue to the Navy Yard; New Fore street, "what is now called Water street," laid out 40 feet wide September, 1780; Thomas Edmands conveys to Town all the land laid out by the General Court for a public highway 40 feet wide and 80 feet long, from the west end of his house to Battery lane so called, March 2, 1802; altered, March 28, 1836; street laid

- out from Main street, near Water street, to Boston (now Warren) avenue, Jan. 15, 1846; same named Water street, being a continuation of that street, March 16, 1846. L 1974.
- ***Waterford street**, B., 1870; from Washington street to Shawmut avenue; called Carney place, 1831; named Waterford street, Nov. 8, 1871. L 545, L 562, L 728.
- Waterlow street**, Dor., 1874; from Harvard street, north-westerly, south-westerly, then southerly to Harvard street again; formerly from Harvard street, generally northerly, to end of Sydney place; named, Nov. 3, 1874; part changed to Elmont street; part of present Waterlow street from Clinton street, south-east, to Harvard street formerly a part of Sydney place.
- Water's court**, B.; from Endicott street, east, 1853; named Alton place, 1857.
- Watson place**, W. Rox.; from School street, north-easterly, near Weld avenue.
- ***Watson street**, B., 1886; from Northampton street to Camden street; formerly Baldwin street; laid out, May 10, 1886. L 1904.
- Watti court**, So. B.; from West Ninth street, near Dorchester street, south-west, to O. C. (now N. Y., N. H. & H.) R.R.; afterwards called Dana street; Dana street laid out as Mitchell street, Aug. 12, 1885.
- ***Waumbeck street**, Rox.; from Warren street at junction with Elm Hill avenue to Humboldt avenue; laid out from Elm Hill avenue to Wabeno street, Dec. 7, 1883; extended from Wabeno street to Humboldt avenue, July 27, 1886. L 1747.
- Wauwatosa avenue**, Breed's Island; from Chelsea creek to Saratoga street.
- Waverly place**, B., 1830; from South street, easterly; same in 1830. L 1471.
- Waverly place**, Bri.; from Waverly street, westerly.
- Waverly street**, B., 1859; from West Dedham street to Canton (now West Canton) street, 1859; name changed to Ivanhoe street, April 21, 1868, and name afterwards extended in both directions.
- ***Waverly street**, Rox.; from Warren street to Blue Hill avenue; laid out, July 27, 1863. L 903.
- †**Waverly street**, Bri.; from Lincoln street to Western avenue; laid out from River street (now Western avenue) to Market street, June 3, 1842; accepted conditionally and then subject deferred, July 18, 1842; laid out, Aug. 24, 1853; accepted and named, Sept. 5, 1853; authority to open from angle in street to Lincoln street given by Street Commissioners, Oct. 14, 1892. L 2335.
- Waverly terrace**, B.; a block of brick buildings on the west side of Shawmut avenue, between Lenox street and Sawyer street, formerly so called; same in 1859.
- Way place**, Rox.; from Copeland street, south-easterly, nearly opposite Aspen st.
- Way street**, B.; from Dock square to Roebuck alley (now Merchants' row); discontinued, April 16, 1838.
- ***Way street**, B., 1857-1864; from Harrison avenue to Albany street; from Washington street, east, called East Orange street, 1840; name of part from Harrison avenue to Lehigh street changed to Way street, Dec. 21, 1857, and back to East Orange street, Dec. 30, 1857; name changed again to Way street, March 22, 1864; portion between Albany street and Lehigh street discontinued when Broadway was extended. L 95, L 362, L 436, L 1529.
- †**Wayland street**, Dor.; from Magnolia street to and beyond Balfour street; formerly Howard street, between Magnolia street and How-

- ard avenue; name changed to Wayland street, March 1, 1888; authority to open from Howard avenue, north-west, given by Street Commissioners, May 25, 1893. L 550, L 2169.
- *Wayne street**, Rox., 1868; from Blue Hill avenue to Maple street; accepted as Linden street, Oct. 24, 1864; named Wayne street, April 21, 1868; relocated, March 12, 1880. L 1438.
- Webb park**, So. B.; from East Sixth street, south, near I street.
- *Webber street**, Rox., 1835; from Harrison avenue to Albany street; road leading from Davis (now Albany) street to Plymouth street (now Harrison avenue) accepted and named Webber street, Aug. 5, 1835. L 519.
- Webb's corner**, B., 1708; corner Union street and Marsh lane.
- Weber street**, W. Rox.; from Canterbury street, opposite Mt. Hope street, south-east, to Mt. Hope cemetery; same in 1874; Mt. Hope street extended over Weber street to Mt. Hope cemetery, July 22, 1892. L 2417.
- *Webster avenue**, B., 1855; from Hanover street to Unity street; called Robinson's alley or lane, 1733; named Webster avenue, March 28, 1855. L 132.
- Webster avenue**, E. B.; from Webster street to Sumner street, near Cottage street.
- Webster avenue**, Chsn.; from Sackville street to Belmont street; Webster court so called on plan, 1885; called Webster-street court on plan, 1875.
- Webster avenue**, Bri.; from Brighton avenue, south, then west, to Webster street; formerly from Brighton avenue, south, then west, then north, to Cambridge street; portion from Cambridge street, south-east, now called Webster street.
- Webster court**, B.; from Webster avenue, north-east; same in 1857; same given on plan, 1883 and 1890, as Canny place.
- Webster court**, Chsn.; from Sackville street to Belmont street; called Webster-street court on plan, 1875, and Webster avenue on chart, 1885.
- Webster place**, B.; from Fleet street, north-easterly, near Hanover street; same in 1837.
- Webster place**, E. B.; from Webster street, between Sumner street and Lamson street, southerly.
- Webster place**, Bri.; from Webster street.
- †Webster street**, E. B.; from Mill street to Sumner street, near Jeffries street; accepted conditionally, Oct. 13, 1845; accepted and laid out as a public street from Lewis street to Cottage street, May 10, 1852; accepted from Cottage street to Sumner street, Oct. 11, 1852. Vol. 31, p. 42.
- Webster street**, So. B.; from West Fifth street, south-westerly, between B street and C street; abandoned; Directory shows Dunham park in same location.
- Webster street**, Rox.; name changed to Madison street, April 21, 1868; (Madison street, from Washington street to Shawmut avenue).
- Webster street**, W. Rox.; from Spring street to Linden street; same in 1874. L 2488.
- Webster street**, W. Rox.; from Whiting street, south-west; shown in 1890.
- *Webster street**, Chsn.; from Bunker Hill street to Medford street; same in 1875; laid out as Sackville street, Jan. 1, 1887. L 1968, L 1969.
- Webster street**, Bri., 1873; from Everett (now Dunboy) street, west, crossing Bigelow street; laid out, Dec. 18, 1873.

- Webster street**, Bri.; from Cambridge street, south-east, formerly a part of Webster avenue.
- Webster terrace**, Bri.; from Webster street.
- Webster-street court**, Chsn.; from Sackville street to Belmont street; Webster court so called on plan, 1875; called Webster avenue on plan, 1885.
- Webster's arch**, B., 1732; the entrance from Cornhill (now Washington street) to Savage's court or Williams court, 1732.
- Weeks place**, Rox.; from Centre street, near Heath street, south-easterly.
- Weitz street**, Bri.; from Franklin street to Bayard street.
- Welaka avenue**, B. I., from Waldemar avenue to Overlook street.
- *Weld avenue**, W. Rox.; from Columbus avenue to School street; accepted, Sept. 27, 1871; laid out, Jan. 5, 1875. L 1004.
- *Weld Hill street**, W. Rox.; from Hyde Park avenue to Forest Hills cemetery; authority to open street given by Street Commissioners, May 4, 1892; laid out, Aug. 10, 1893. L 2525.
- Weld park**, W. Rox.; from Centre street, near May street, south-west.
- *Weld street**, W. Rox., 1825; from Walter street to Baker street; named from Newton line by Weld place across Centre street to Walter street, May 9, 1825; from Willow street to Baker street by annexation from Newton. L 1792, L 2809, L 2810.
- Weld street**, W. Rox.; from Mt. Hope street south-west, now called Bradstreet avenue.
- *Weldon street**, Rox.; from Holborn street to Quincy street; laid out Nov. 6, 1890. L 2269.
- Weldon street**, W. Rox.; from Walk Hill street to Hyde Park avenue; laid out from Walk Hill street to portion of running north-east to Hyde Park avenue as Wenham street, Nov. 30, 1891; part from Hyde Park avenue to Forest Hills cemetery laid out as Weld Hill street, Aug. 10, 1893. L 2363, L 2525.
- *Well street**, B., 1808; from Custom-House street to Wharf street; same in 1808; confirmed as a public street, Sept. 15, 1834.
- †Welles avenue**, Dor.; from Washington street to Dorchester avenue; laid out from Washington street to Argyle street, Dec. 6, 1873. L 913, L 914, L 2173.
- Wells place**, B., 1848; from Washington street to Bradford street; laid out as Wilkes street, April 6, 1894. L 2586.
- Wells place**, B., 1857; from Joy street, west, near Cambridge street, 1857; closed.
- Welles corner**, B., 1732; corner Orange street and Frog lane (Washington street and Boylston street), 1732.
- Welles corner**, B., 1732; corner of Cambridge street and Green street, 1732.
- Wellington place**, Chsn.; from Quincy street, north-westerly.
- *Wellington street**, B., 1870; from Columbus avenue, north-westerly; part of West Springfield street between Columbus avenue and B. & P. (now N. Y., N. H. & H.) R.R. named Wellington street, June 27, 1870. L 502, L 516.
- Wellington street**, E. B.; (proposed) from Maverick street to proposed part of Putnam street.
- Wellingtons wharf**, B.; from Federal street, easterly.
- Wendell place**, So. B.; from Preble street, southerly.
- *Wendell street**, B., 1826; from Pearl street to Broad street; from Oliver street to Hamilton street named June 14, 1826; confirmed as a public street, Sept. 15, 1834; Humphrey place laid out and extended

to Broad street, including part of Half Moon place, and its name changed to Wendell street, Dec. 30, 1870; laid out upon a new line near Broad street, on line of northerly side of Wharf street extended, April 2, 1872; name of Pearl place leading from Oliver street in continuation of Wendell street to Pearl street changed to Wendell street, March 1, 1883. L 460, L 463, L 682.

Wendell street, So. B.; from Preble street to Hyde street.

Wendell's lane, B., 1796; in Directory of 1796; probably Wendell street.

***Wenham street**, W. Rox., 1891; from Walk Hill street to Weld Hill street; formerly part of Weldon street; laid out, Nov. 30, 1891. L 2368.

***Wenonah street**, Rox.; from Elm Hill avenue, north-westerly, to Waumbeck street; laid out, Oct. 26, 1886. L 1959.

Wensley street, Rox., 1895; from Heath street to Bucknam street; authority to open given to Street Commissioners, Sept. 19, 1895.

Wensley's lane, B., 1744; from North Meeting-house down towards Charlestown river, Sept. 28, 1744, and same, May 4, 1758.

Wentworth place, B.; from Northampton street, south-west, near corner Shawmut avenue; same in 1867.

Wentworth street, Dor.; from Norfolk street, south-easterly, crossing Torrey street.

Wentworth's corner, B., 1800; corner Lynn street (now Commercial street) and Greenough's alley, 1800.

Wentworth's lane, B., 1732; from Allen's corner on Ann (now North) street, east. to the Wood wharffe, 1732; accepted conditionally, and named Barrett street, June 7, 1831; laid out from Ann street to Fulton street, and named Barrett street, Oct. 24, 1842.

Wesley avenue or street, Dor.; from Savin Hill avenue to the water.

Wesley place, B., 1836; from Hanover street, between Prince street and Parmenter street, north-westerly; same in 1836.

***Wesley place**, Chsn.; from Pearl street to Sullivan street; straightened, etc., and laid out, Dec. 31, 1867; discontinued, Sept. 14, 1868; laid out, etc., Sept. 22, 1868; called Wesley street, April 13, 1869.

Wesley street, E. B.; from Chelsea street to Paris street, near Meridian street.

Wesley street, So. B.; from Preble street to Hyde street.

***Wesley street**, Chsn.; from Pearl street to Sullivan street; name of Wesley place changed to Wesley street, April 13, 1869; see Wesley place.

Wessex street, Dor.; from Codman street to Weyanoke street.

***West street**, B.; from Washington street to Tremont street; from Newbury (now Washington) street, west, to the Common, 1708. L 24, L 196.

West street, E. B.; from Reynolds street to Homer street.

***West street**, Dor.; from John Whittemore's land, Roxbury, near the red gate, in line of old cart path to road from Lower Mills to Dedham; laid out, December, 1835; from Upper Mills to the Town House altered December, 1838; from River by Luke Trott's, to Roxbury line, named West street, March 11, 1840 (now Norfolk street).

West street, W. Rox.; from High street to Morrison street.

West street, W. Rox.; from Bellevue avenue to end of Orange street.

***West street**, Chsn.; from Alford street to Beacham street; laid out and accepted, June 24, 1872.

West Boston; the part of the Town west of Sudbury street from 1708 to 1800.

***West Boston bridge**; from the foot of Cambridge street to Cambridge, 1793.

Westbourne terrace, Bri.; from Corey road to Brookline line.

***West Broadway**, B. and So. B., 1873; from Albany street to South Boston; laid out as Broadway from Washington street, opposite Pleasant street, to South Boston and so called by records, charts, and directory; that part of Broadway from Dorchester avenue, opposite Broadway, to Dorchester street, opposite East Broadway, called West Broadway, Feb. 18, 1873. See Broadway. L 361, L 362, L 473, L 632, L 1532.

***West Brookline street**, B., 1868; from Washington street to Warren avenue; from Tremont street to Front street (now Harrison avenue) named Brookline street, Sept. 15, 1834; laid out from Tremont street to Water Power Company's line, Dec. 21, 1859; from Water Power Company's line to Warren avenue, May 21, 1867; from Washington street to Warren avenue called West Brookline street, April 21, 1868. L 138, L 354.

***West Canton street**, B., 1868; from Washington street to railroad at Carleton street; Canton street laid out on the Neck, July 24, 1826; named, from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; laid out from Tremont street to Boston Water Power Company's line, Dec. 21, 1859; West Canton street laid out between Tremont street and Warren avenue and accepted May 21, 1867; name of Canton street between Washington street and Warren avenue changed to West Canton street, April 21, 1868; laid out from Warren avenue to Appleton street at junction with Columbus avenue, Nov. 4, 1868; laid out from Columbus avenue to the B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869. L 354, L 502, L 516, L 538.

***West Castle street**, B., 1732; from Orange (now Washington) street, west; name of West Castle street leading from Washington street to Tremont street changed to Castle street, June 23, 1874 (all intermediate record given under Castle street). L 563, L 566, L 837, L 838.

***West Cedar street**, B., 1826; from Chestnut street to Cambridge street; from Phillips street to the river called Southac street, 1733; from Chestnut street to Cambridge street called George street, 1810; from Chestnut street to Sumner (now Mt. Vernon) street named West Cedar street, 1826; from Sumner street to Pinckney street named West Cedar street, 1833; from Pinckney street to Cambridge street named West Cedar street, April 1, 1869. L 49.

West Centre street, B., 1733; from Cambridge street to May (now Myrtle street); extended to Pinckney street, 1833; name changed to Anderson street, May 21, 1861.

***West Chester avenue**, B., 1869; West Chester park and Chester square named West Chester avenue, July 13, 1869; part of West Chester avenue from Shawmut avenue to Tremont street called Chester square, Oct. 5, 1869; laid out from Boston Water Power Company's old line to Columbus avenue, Oct. 26, 1869; laid out from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869; street between Washington street and Tremont street part of which is called West Chester avenue and part Chester square, named Chester square throughout, April 5, 1870; between Tremont street and the B. & P. (now N. Y., N. H. & H.) R.R. called West Chester park, April 5, 1870; West Chester park, Chester square, Chester park, and East Chester park all changed to Massachusetts avenue, March 1, 1894. L 502, L 516.

***West Chester park**, B., 1859; from Tremont street, crossing Beacon street to Harvard bridge (Charles river); laid out and accepted from Tremont street to Boston Water Power Company's line, Dec. 21, 1859; West Chester park and Chester square named West Chester

avenue, July 13, 1869; part of West Chester avenue, between Tremont street and B. & P. (now N. Y., N. H. & H.) R.R., called West Chester park, April 5, 1870; extended from B. & P. R.R. to Beacon street, July 5, 1873, and from Beacon street to the Charles river, May 21, 1889; name changed to Massachusetts avenue, March 1, 1894. L 452, L 502, L 516, L 805, L 805½, L 862, L 1140, L 1585, L 2133, L 2493.

***West Chester street**, B.: from Washington street across Tremont street to Back Bay land, 1854; from Washington street to Shawmut avenue, part of West Chester park, 1861, and named Chester square, 1864; West Chester park, Chester square, Chester park, and East Chester park all changed to Massachusetts avenue, March 1, 1894.

***West Concord street**, B., 1868; from Washington street to Tremont street; Concord street laid out on the Neck, July 24, 1826, and named from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; laid out from Tremont street to Water Power Company's line, Dec. 21, 1859; from Washington street to Tremont street named West Concord street, April 21, 1868; from Tremont street to Columbus avenue named Concord square, April 21, 1868; laid out from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869; same part named Greenwich park, March 29, 1870. Vol. 31, p. 1. L 502, L 516.

Westcott street, Dor.; from Park street to Talbot avenue, near and west of N. E. R.R.

***West Cottage street**, Rox. and Dor.; from Dudley street to Blue Hill avenue; laid out by Dorchester Selectmen from Stoughton (now Dudley) street to Brook avenue, Aug. 12, 1869; extended from Brook avenue to Blue Hill avenue, in part over part of Woodville square, Feb. 18, 1875. L 880, L 1027, L 1410.

***West Dedham street**, B., 1868; from Washington street to Tremont street; Dedham street laid out on the Neck, July 24, 1826; named from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; named West Dedham street, from Washington street to Tremont street, April 21, 1868. L 295, L 372.

***West Eagle street**, E. B.; from Border street to Brooks street, opposite Reservoir grounds; accepted as Eagle street, April 5, 1859.

***West Eighth street**, So. B.; from near O. C. (now N. Y., N. H. & H.) R.R. north-west from D street to Dorchester street; part of Eighth street called West Eighth street, Feb. 18, 1873; for record of laying out, see Eighth street. L 200, L 201, L 257, L 273, L 369.

***Westerly street**, Rox., 1893; from Centre street to Sunnyside street; Westerly terrace laid out as Westerly street, from Centre street to Sunnyside street, Nov. 1, 1893. L 2544.

Westerly terrace, Rox.; from Centre street to Sunnyside street; laid out as Westerly street, Nov. 1, 1893. L 2544.

***Western avenue**, B.; the Mill-dam from Charles street, west, 1821; part between Charles street and line near the toll-house presented by Boston & Roxbury Mill Corporation and accepted by City, Sept. 19, 1831; part between point accepted, Sept. 19, 1831, and street "leading to the water next westerly of dwelling-house of William W. Goddard" accepted and laid out as a public highway to be called Beacon street, April 21, 1857; from Otter street to "west end of new block of freestone-front houses" accepted and named Beacon street, May 27, 1858; from "Upham's house to a point distant 140 feet, westerly, from the south-easterly corner of Berkeley street," accepted and named Beacon street, Oct. 30, 1861; from Berkeley street to Clarendon street accepted and named Beacon street, May 26, 1863; from Clarendon street to Dedham (now Dartmouth) street accepted and named Beacon street, July 3, 1865; por-

tions of Mill-dam road, known as Western avenue, lying in present limits of Boston, laid out, Dec. 7, 1868; part from Beacon street to Tremont street named Brookline avenue, 1868. L 416, L 417.

***Western avenue**, Bri.; from Cambridgeport bridge to Watertown bridge; name of River street changed to Western avenue, June 13, 1873; relocated by Street Commissioners, Oct. 3, 1877. L 1270, L 1271, L 1272, L 1967, L 2374, L 2423, L 2711.

Westfield street, B., 1875; from Tremont street, nearly opposite North-field street, north-westerly; formerly from Tremont street to Columbus avenue.

***West Fifth street**, So. B., 1873; from Dorchester avenue to Dorchester street; part of Fifth street called West Fifth street, Feb. 18, 1873. Vol. 31, p. 38. L 183.

***West First street**, So. B., 1873; from Foundry street, easterly, to N. E. R.R. then south-easterly to Dorchester street; part of First street called West First street, Feb. 18, 1873. L 122, L 126, L 128.

***Westford street**, Bri., 1891; from Raymond street, near and east of Everett street to Raymond street; Everett square and Everett place laid out as Westford street, May 18, 1891. L 2293.

***West Fourth street**, So. B., 1873; from Dover-street bridge to Dorchester street; part of Fourth street called West Fourth street, Feb. 18, 1873. L 779, L 1319, L 1420, L 1421, L 2746.

West Haven street, B.; from Newland street, north-westerly, between Rutland street and West Newton street; same in 1867.

West Hill, B.; south of the foot of Cambridge street, by Charles river, 1722.

***Westland avenue**, Rox., 1878; from Massachusetts avenue to Parker street; laid out from West Chester park (now Massachusetts avenue) to Parker street; Dec. 27, 1878. L 1296 L 1345.

***Westminster avenue**, Rox.; from Washington street to Walnut avenue, April 25, 1864. L 741.

***Westminster street**, Rox.; from Hammond street to Ruggles street; laid out, Sept. 1, 1871. L 659, L 662.

Westminster terrace, Bri.; from 50 Chestnut Hill avenue.

Westmoreland street, Dor.; from Adams street, west, to Berkshire street.

West Newbury street, Rox.; from Jersey street (now Charlesgate-west) to Brookline avenue; laid out as Newbury street, March 30, 1894

***West Newton street**, B., 1868; from Washington street to and crossing Falmouth street; Newton street laid out on the Neck, July 24, 1826; named, from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; laid out from Tremont street to Boston Water Power Company's line, Aug. 13, 1861, and June 13, 1865; from Washington street to Columbus avenue named West Newton street, April 21, 1868; laid out from Water Power Company's line to Columbus avenue, July 14, 1868; laid out from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869; laid out from location of B. & P. R.R. to Huntington avenue, Dec. 27, 1878; laid out from Huntington avenue to land of B. & A. R.R., July 25, 1881. L 198, L 354, L 502, L 516, L 747, L 750, L 1542.

***West Ninth street**, So. B.; from D street to Dorchester street; part of Ninth street called West Ninth street, Feb. 18, 1873. L 96, L 194, L 273, L 369, L 1694.

Weston place, Rox.; from Weston street, south-east; formerly Sudbury place.

***Weston square**, B.; that part of public lands called Weston street and square named Union park, May 19, 1851.

- ***Weston street, B.**; laid out on the Neck, July 24, 1826; named from Tremont street to Suffolk street (now Shawmut avenue) Sept. 15, 1834; a mall or common laid out, Nov. 25, 1850; name changed to Union park, May 19, 1851. L 511, L 773, L 1377.
- ***Weston street, Rox.**; from Warwick street to Columbus avenue; name of Sudbury street (from Tremont street to Cabot street) changed to Weston street, April 21, 1868; laid out from Tremont street to Windsor street, Dec. 30, 1869; extended from Cabot street to Warwick street, Nov. 25, 1879. L 511, L 773, L 1377.
- West Orange street, B.**, 1831; from Washington street, west, to Village place (from Castle street opposite Village street); called Orange place, 1825; named West Orange street, 1831; accepted, Dec. 18, 1854; portion between Washington street and Shawmut avenue discontinued as a public street, Feb. 3, 1872; named Orange street, 1874.
- Westover street, W. Rox.**; from Weld street to Joy street.
- West Park street, Dor.**; from Bernard street, near Harvard street station; Park street, west of Washington street, sometimes so called; part from Washington street to the N. E. R.R. laid out as Park street, Sept. 8, 1886.
- West row, B.**; on the part of Cambridge street, now Court street, near Bowdoin square, 1803-1830.
- ***West Rutland square, B.**, 1871; from Columbus avenue, north-west-erly, to Carleton street; part of Rutland street, west of Columbus avenue, named West Rutland square, July 25, 1871. L 502, L 516.
- ***West Second street, So. B.**, 1873; from Dorchester avenue to Dorchester street; part of Second street called West Second street, Feb. 18, 1873. L 43, L 486, L 556.
- West Selden street, Dor.**; from Morton street to Crossman street.
- ***West Seventh street, So. B.**, 1873; from Dorchester avenue to Dorchester street; part of Seventh street called West Seventh street, Feb. 18, 1873. L 199, L 226, L 227, L 655.
- ***West Sixth street, So. B.**, 1873; from Dorchester avenue to Dorchester street; part of Sixth street called West Sixth street, Feb. 18, 1873. Vol. 31, p. 48.
- West Sixth-street place, So. B.**; from 62 West Sixth street, north-easterly.
- ***West Springfield street, B.**, 1868; from Washington street to Columbus avenue; Springfield street laid out on the Neck, July 24, 1826; named from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; from Washington street to Columbus avenue called West Springfield street. April 21, 1868; laid out from Boston Water Power Company's old line to Columbus avenue, Oct. 26, 1869; laid out from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R., Dec. 7, 1869; from Columbus avenue to B. & P. R.R. named Wellington street, June 27, 1870. L 452, L 502, L 516.
- ***West Third street, So. B.**; from West Second street to Dorchester street; part of Third street called West Third street, Feb. 18, 1873. L 160.
- ***Westville street, Dor.**; from Bowdoin street to Corwin street; formerly from Bowdoin street to Arcadia street; laid out from Bowdoin street to Draper street, including a part of Bowdoin square, Dec. 29, 1880; laid out from Draper street to Corwin (formerly Westville) street, Sept. 10, 1890; part of Westville street, 215 feet north from Arcadia street, laid out as Corwin street, Sept. 10, 1890. L 1513, L 1514, L 2260, L 2261.
- ***West Walker street, Chsn.**; laid out from Main street, Sept. 29, 1869; called also Walker avenue and Walnut avenue; name changed to Lincoln street, Dec. 27, 1869.

- ***West Walnut park**, Rox.; from Washington street, opposite Walnut park, north-westerly; laid out, Oct. 9, 1877. L 1275.
- ***West Windsor street**, Rox.; Windsor street, from Ruggles street to Weston street, sometimes so called.
- West Wood Island**, E. B.; south-easterly from proposed part of Cottage street, and south-westerly from Wood Island park.
- ***Wexford street**, Bri., 1886; from Market street to Hillside avenue; Winship avenue laid out as Wexford street, Dec. 10, 1836. L 1966.
- Weyanoke park**, Dor; between Shenandoah street and Weyanoke street.
- Weyanoke street**, Dor; from Carruth street to Wessex street.
- ***Wharf street**, B.; from Broad street to India street; same in 1808; confirmed as a public street, Sept. 15, 1834.
- †**Wheatland avenue**, Dor.; from Washington street to N. E. R.R.; laid out from Washington street to Kilton street, June 24, 1879. L 1360, L 1361, L 1962.
- Wheaton square**, W. Rox.; from 208 Lamartine street.
- ***Wheeler street**, B., 1872; from Shawmut avenue to Indiana place (now Corning street); from Pleasant street, west, called Wheeler's court, 1829; laid out from Shawmut avenue and extended to Indiana place, Dec. 30, 1870; named Wheeler street, May 30, 1872. L 548, L 549, L 564, L 786.
- Wheeler's corner**, B., 1708; corner of Newbury (now Washington) street and Pond (now Bedford) street.
- ***Wheeler's court**, B., 1829; from Pleasant street, west, near Kirkland street; laid out, widened and extended from Shawmut avenue to Indiana place, (now Corning street), Dec. 30, 1870; named Wheeler street, May 30, 1872. L 548, L 549, L 564.
- Wheeler's Point**, B.; at the foot of Sea (now Federal) street, 1675; called Windmill Point, 1722.
- Wheelock avenue**, Dor.; from Hancock street, westerly, near Columbia street.
- Whetcomb's or Whitcomb's corner**, B., 1708; corner of School street and Tra Mount street.
- Whipple avenue**, W. Rox.; from Washington street, easterly to Stony brook.
- Whipple street**, Rox., 1892; from Haviland to south of Norway street.
- Whitby street**, B. L.; from Ashley avenue to Ford street.
- White avenue**, W. Rox.; from South street, westerly, then southerly, to Jamaica street; no record of change of name, but part northerly from Jamaica street laid out (from Jamaica street to White avenue, now Custer street) as Woodman street, Dec. 9, 1878; part from South street to Woodman street laid out as Custer street, May 19, 1881. L 1339, L 1522.
- White Bread alley**, B., 1708; the alley leading from North street down to Captain Richards' corner in Ship street; called Bartlett street, 1826; Harris street, 1868.
- ***White street**, E. B.; from Border street to Trenton street; accepted and laid out, Dec. 28, 1855; accepted at junction Eutaw street and White street, at junction Trenton street and White street, and at junction Monmouth street and White street, Nov. 1, 1858. Vol. 31, p. 23. L 21, L 78, L 606, L 1305.
- White street**, Dor.; from Glenway street to Bicknell street; laid out under the name of Bradshaw street, Jan. 3, 1896. L 2752.
- White-street place**, E. B.; from 38 White street, near Meridian street, northerly.

White's corner, B., 1800; corner Ann (now North) street and Centre (now North Centre) street.

White's (Major) corner, B., 1800; corner Essex street and Short (now Kingston) street.

† **Whitfield street**, Dor.; from Park street, south-easterly, crossing Wheatland avenue and Talbot avenue, to Norfolk street; laid out from Park street to Wheatland avenue, Oct. 14, 1890. L 2265.

* **Whitford street**, W. Rox., 1888; from Kittredge street to Augustus avenue; part of Clarendon avenue laid out as Whitford street, Oct. 23, 1888. L 2099

* **Whiting street**, Rox.; from Warren street to Winthrop street; Forest avenue laid out as Whiting street, March 19, 1884; extended through Homer place to Winthrop street, May 29, 1896. L 1762, L 2770.

Whiting street, W. Rox.; from Baker street to Rand street.

Whitman street, B.; from St. Botolph street south-east between Massachusetts avenue and Waldo street.

Whitman street, Dor.; from Norfolk street, south-east, near Edson street.

* **Whitmore street**, B., 1886; from Kneeland street to Harvard street; Kneeland place included in laying out of Whitmore street, June 12, 1886. L 1910.

Whitney place, Rox.; from Tremont street, opposite Whitney street, southerly.

* **Whitney street**, Rox.; from Tremont street to Conant street; laid out, July 15, 1876. L 1160, L 2339.

Whitney street, Bri., from Market street to Murdock street; same in 1875; authority to open given by Street Commissioners, Aug. 5, 1891; now called Mapleton street.

Whittier street, Rox.; from Hampshire street to Downing street; formerly Mahan avenue.

Whittler's alley, B.; from North street, near corner of Fleet street, south-east to Commercial street, opposite Eastern avenue.

Whitwell's corner, B., 1800; corner of Ann (now North) street and Dock square.

* **Wicklow street**, Bri., from Market street to North Beacon street; private way known as Lyman avenue from Market street, and part of another private way known as Hillside avenue near North Beacon street, laid out as Wicklow street, Dec. 5, 1881. L 1577.

* **Wiget street**, B., 1894; from Salem street to North Margin street; that part of North Margin street leading north-west from 90 Salem street called Wiget street, March 1, 1894.

* **Wiggin street**, B., 1878; from North Bennet street to Tileston street; from North Bennet street called Short lane, 1796; extended to Tileston street, 1833; called Short street, 1849; name changed to Wiggin street, April 24, 1878.

Wiggin street, W. Rox.; from Beech street, south-west, between Washington street and Poplar street.

* **Wigglesworth street**, Rox.; from Tremont street, crossing Huntington avenue, to Longwood avenue; laid out, Oct. 13, 1887. L 1831, L 2031, L 2032.

Wilberforce place, B., 1843; from Southac (now Phillips) street, south; name changed to Primus avenue, 1871.

Wilber court, E. B.; from 319 Sumner street, near Cottage street, south-westerly.

Wilbur street, Dor., 1896; from Cushing avenue to Upham avenue.

- Wilder street**, Dor.; from Washington street to Geneva avenue; new street opposite estate of Hon. Marshall P. Wilder named Wilder street, April 8, 1879; laid out, July 10, 1896. L 2780.
- Wild's corner**, B., 1800; corner School street and Governor's alley (now Province street).
- Wildwood street**, Dor.; from Morton street to Woolson street.
- *Wilkes street**, B., 1894; from Washington street to Bradford street; Wells place laid out as Wilkes street, April 6, 1894. L 2586.
- Wilkes court**, B.; at an early date, from Beer lane or Richmond (now Parmenter street).
- Wilkins place**, W. Rox.; from Sycamore street, north, between Poplar street and Hawthorne street.
- Willard place**, B.; from Washington street, westerly, between Lenox street and Camden street; same in 1846.
- Willard place**, Bri.; from North Harvard street, south-east, near the Charles river.
- *Willard street**, B., 1868; from Leverett street to Lowell street; formerly from Leverett street, north-easterly, towards Lowell street; called Vernon street, 1825; named Willard street, April 21, 1868; April 19, 1881, the Supreme Court decided that Willard street had become public by dedication prior to statutes of 1846; extended to Lowell street, Sept. 17, 1888. L 2092.
- Willet street**, W. Rox.; from Washington street to Eagle street.
- Williams avenue**, Rox.; from Seaver street; laid out from Seaver street and extended to Munroe street and named Humboldt avenue, Dec. 30, 1882. L 1688, L 1689.
- Williams court**, B., 1788; from Washington street through arch at easterly end to Court square; formerly from Cornhill (now Washington street), west; called Savage's court, 1732; named Williams court, 1788 or 1789; accepted conditionally, June 21, 1862; acceptance rescinded, conditions not having been complied with, May 17, 1864. L 1350.
- Williams court**, Rox.; shown on plan, 1849, unnamed, from Washington street, north-westerly, crossing end of Williams street; after laying out of Shawmut avenue, through Williams street, Williams court widened at various times, being called both court and street until Oct. 25, 1872, when Williams street, was extended from Shawmut avenue to Westminster street.
- Williams park**, Dor.; from East street, south-east near Adams street.
- Williams place**, B.; from Charter street, south-west, nearly opposite Henchman street; now built over.
- *Williams street**, B., 1821; from Federal street to Atkinson (now Congress) street; called Round lane, 1732; name changed to Williams street, Jan. 10, 1821; altered, 1867; name changed to Matthews street, April 21, 1868. L 350.
- Williams street**, Rox.; from Williams court to Washington (now Roxbury) street; named from Washington street by Sam Langley's to Worcester turnpike, May 9, 1825; continued and widened from S. Langley's house to Mr. William Bacon's fence, then turning and running toward Washington street, April 30, 1838; width and grade from Vernon street to Washington street established, Oct. 11, 1852; Shawmut avenue laid out over Williams street from end at Williams court to Washington (now Roxbury) street, June 3, 1857; laid out (conditionally) by County, Nov. 23, 1857.
- *Williams street**, Rox.; from Washington street to Westminster street; laid out from "Mr. Bacon's fence toward Washington street," April 30, 1838; called Williams court where Shawmut avenue was built in 1857, and after that date both Williams court and street

until Sept. 16, 1872, when Williams street was extended from Shawmut avenue to Westminster street. L 789.

***Williams street, W. Rox.;** from Forest Hills street to B. & P. (now N. Y., N. H. & H.) R.R.; formerly from Blue Hill avenue, crossing Washington street to B. & P. R.R.; once called Cook's lane; laid out from Blue Hill avenue to Walnut street (now avenue), Nov. 14, 1870; laid out from Walnut street across Forest Hills street and Stony brook to Shawmut avenue (now Washington street), Jan. 10, 1871, and March 5, 1872; laid out from Shawmut avenue to B. & P. R.R., opposite easterly end of Carolina avenue, Sept. 8, 1873; extension accepted as town way, Aug. 21, 1873; part between Blue Hill avenue and Forest Hills street included in Franklin park. L 970.

Williams street, W. Rox.; from South street to Bellevue avenue; laid out from Birch street at South street to Cottage (now Amherst) street, and named Brandon street, Sept. 14, 1881. L 1557.

Williams street, Chsn.; from Main street, westerly, between Dunstable street and Phipps street; same in 1875; Stacey street laid out from Main street to Dunstable street, including Williams street, Oct. 7, 1889. L 2178.

Williams terrace, Rox.; from Williams street near Westminster street, north-east, then south-east.

Williams corner, B., 1708; corner Fleet street and Middle (now Hanover) street.

Willcut place, Dor.; from Union avenue, now Rosseter street, south-westerly, south of Rosseter place.

Willis terrace, Rox.; from Roxbury street, south-west, opposite Washington place.

Willis street, Rox.; from Parker street, south-east, near Ruggles street.

***Willis street, Dor.;** from Pleasant street to Sumner street; laid out, Aug. 31, 1894. L 2527.

Willoughby place, Rox.; from Blanchard place (now Blanchard street), north-westerly.

†Willow court, Dor.; from Boston street, north-westerly, nearly to East Chester park (now Massachusetts avenue) at Oak street; from Captain Clapp's by Mrs. C. Howe's, named Willow court, March 11, 1840.

Willow park, Rox.; from Shawmut avenue, north-westerly, between Williams street and Ruggles street.

***Willow street, B., 1823;** from Chestnut street to Mt. Vernon street; called Maple street, 1822; name changed to Willow street, 1823.

†Willow street, W. Rox.; from Railroad street, crossing Centre street and Weld street, to Dunbar street; named from Centre street, near Clay brook to former Newton line, May 9, 1825; part between Centre street and Weld street probably a public highway some time previous.

Willowwood street, Dor., 1895; from Ballou avenue to Lauriat avenue; authority to open from Ballou avenue to Lauriat avenue, given by Street Commissioners, Jan. 30, 1896.

Wilmington avenue, Dor., 1895; from Codman street to Milton avenue; authority to open given by Street Commissioners, Dec. 4, 1895.

***Wilmont street, Rox.;** from Bainbridge street to Elmore street; laid out, July 20, 1880; name changed to Mayfair street, Feb. 16, 1882. L 1470.

Wilson street, W. Rox.; from Walnut street (now Walnut avenue), crossing Suffolk street, towards Blue Hill avenue; included in Franklin park, 1882.

- *Wilson's lane, B.;** from King (now State) street to Dock square; called Crooked lane, 1708; name changed to Wilson's lane, May 12, 1712; Devonshire street extended through Wilson's lane to Dock square, June 6, 1872. L 767.
- *Wilton street, Bri.;** from Cambridge street, north-westerly, to unnamed street near Harvard avenue; from Cambridge street to Brain-tree street laid out, Sept. 4, 1890. L 2259.
- Wiltshire street, B.;** from Green lane (now Green street), north, then west, then north-west, to the water, 1725; called Shute street in Selectmen's list, 1788; from Mr. Allen's house up by Phillips and Winthrop's new ropewalk, 1800; added to and called Chambers street, Sept. 18, 1811; accepted and recorded under name of Chambers street, May 26, 1868.
- *Winchester street, B.;** from Pleasant street; to Ferdinand street; called South Cedar street, 1825; named Winchester street, July 7, 1869. L 387, L 391, L 392, L 393, L 394, L 396, L 438.
- Winchester street, Chsn.;** from Rutherford avenue; laid out from Rutherford avenue, name changed to Dunstable street and extended to Main street, Nov. 11, 1881; called Washington street on chart, 1875. L 1565.
- Windham place, Bri.;** from Warren street; (Directory, 1884).
- Windmill Point, B.;** from the foot of Sea (now Federal) street, west; called Wheeler's Point, 1675; named Windmill Point, 1722 (now Federal).
- Windmill walk, B.;** from Hanover street by the side of the Mill creek, 1796-1816.
- *Windom street, Bri.;** near the corner of Cambridge street and North Harvard street; authority to open given by Street Commissioners, July 10, 1891; from Cambridge street to a point near and north-west of Home avenue (now Hopedale street); laid out, April 8, 1892. L 2391.
- Windsor place, Rox.;** from Windsor street, north-easterly, between Shawmut avenue and Westminster street.
- Windsor road, Bri.;** from Lanark road, to Kilsyth Road.
- *Windsor street, Rox.;** from Ruggles street to Weston street; name of Clark street changed to Windsor street, April 21, 1868; laid out, Dec. 30, 1869; in Directory of 1894 this street is given as West Windsor street; all but a small portion included in the extension of Columbus avenue, Jan. 4, 1895; remaining portions discontinued, Feb. 5, 1896. L 512, L 2756.
- *Windsor street, Rox.;** from Cabot street to Shawmut avenue; name of Clark street changed to Windsor street, April 21, 1868; laid out, Sept. 1, 1871; given as East Windsor street in Directory, 1894. L 659, L 655, L 666.
- Winfred court, B.;** from Sawyer street, east, to end of Trainer court; same in 1870; included in the laying out of Dillon street, from Lenox street to Sawyer street, Oct. 24, 1887. L 2034.
- Wing's lane, B.;** from Hanover street to Dock square; called Hudson's lane, 1658; named Wing's lane, 1708; name changed to Elm street, May 26, 1800.
- Winnisimmet ferry, B.;** from Commercial street, opposite the foot of Hanover street, north-easterly, to Chelsea; Hanover street, extended from Commercial street to Chelsea ferry, April 5, 1886.
- Winship avenue, Bri.;** from Market street to Hillside avenue; laid out as Wexford street, Dec. 10, 1886. L 1966.
- Winship place, Bri.;** from Washington street, near Chestnut Hill avenue, south-westerly, then south-easterly and north-westerly; same

in 1875; laid out with name of Dighton place, Dec. 19, 1889. L 1850, L 2177, L 2195, L 2196.

Winship place, Bri.; from Winship street, south-east, nearly opposite Peaceable street.

***Winship street, Bri.;** from Washington street to Chestnut Hill avenue; laid out from Washington street to Union street, March 30, 1857; accepted April 13, 1857; accepted from Union street to Rockland street (now Chestnut Hill avenue), April 1, 1867; alterations by Selectmen accepted, May 18, 1871.

Winsley's corner, B.; corner of Bell alley (now Prince street) and Fleet street, 1708.

Winslow place, B.; from Chambers street, easterly, nearly opposite Allen street; same in 1844.

Winslow place, Rox.; from Washington street, north-westerly, between Ruggles street and William street.

***Winslow street, Rox.;** from Eustis street to Dudley street; Short street, from Eustis street to Union (now Taber) street, having been extended to Dudley street; named Winslow street, Dec. 17, 1860. L 1281.

Winslow street, W. Rox.; from Temple street to Dent street; same in 1874.

Winslow's corner, B.; corner Spring lane and Joyliff's lane (now Devonshire street), 1708.

Winsor wharf, B.; from Albany street, easterly.

Winter court, B.; from Winter street to Temple place, 1830; called Winter place, 1836.

Winter place, B.; from Winter street to Temple place; called Winter court, 1830; Winter place, 1836.

***Winter street, B.;** from Washington street to Tremont street; previous to 1708 called Bannister's lane and Blott's lane; named Winter street, from Newbury (now Washington) street, "nigh the upper end of Summer street, ward into the Common," 1708.

***Winter street, Dor.;** from junction of Adams street and East street to Hancock street; street from Meeting-House Hill by Mr. Swan's to East street named Winter street, March 11, 1840. L 787, L 2310.

Winthrop place, B.; from Summer street, north, to Otis place, 1821; portion discontinued, March 30, 1859; Devonshire street extended through Winthrop place to Summer street, April 23, 1861. L 133.

Winthrop place, Rox.; from Washington street to Shawmut avenue, between Ruggles street and Williams street.

***Winthrop square, B.;** at the junction of Devonshire street and Otis street; named, April 23, 1861. L 105, L 133, L 832.

Winthrop square, Chsn.; between Winthrop, Adams, and Common streets; anciently called the Training-field; named Winthrop square, Jan. 17, 1848; lines altered, May 30, 1871.

***Winthrop street, E. B.;** from Maverick square to Paris street; accepted, May 26, 1854.

†Winthrop street, Rox. and Dor.; from Warren street to and across Dennis street; part of Greenville street (from Grove Hall, now Blue Hill avenue, north-westerly) added to Winthrop street, making street extend from Warren street to Grove Hall avenue, April 2, 1855; from Warren street to Greenville street accepted, Oct. 20, 1856; extended from Blue Hill avenue to Dennis street, Sept. 2, 1884. L 1814.

***Winthrop street, Chsn.;** from Main street to Monument square; name of Training-field street changed to Winthrop street, Dec. 5, 1836; lines changed, Sept. 15, 1856; portion of High street between Monu-

ment court and junction of Adams and Winthrop streets named Winthrop street, Feb. 2, 1860.

***Wirt street**, Bri., 1891; from Washington street to Henshaw street; laid out, Nov. 13, 1891. L 2359, L 2721.

Wirth place, B.; from Camden street, south-westerly, between Washington street and Shawmut avenue; same in 1863; given on chart, 1890, Worth place.

Wise place, Rox.; from Centre street, southerly, parallel with Wyman place; laid out and extended to Roys street and called Wise street, March 5, 1883.

***Wise street**, Rox.; from Centre street to Roys street; Wise place laid out from Centre street, extended to Roys street, and called Wise street, March 5, 1883. L 1691.

Wistar place, Chsn.; from Elm street, north-westerly, near Bartlett street.

***Withington street**, Dor.; from Norfolk street to Torrey street; laid out, Oct. 7, 1889. L 2179.

***Wolcott street**, Dor., 1893; from Columbia street to Erie street; authority to open given by Street Commissioners, April 21, 1893; laid out July 10, 1896. L 2777.

Wolfert court, Rox.; from Fellows street, north-west, between Randall street and Fellows place.

Wood lane, B.; from Middle (now Hanover) street to Fish (now North) street, and so down to the sea, 1708; the Town slip at the lower end to be open forever, 1709; liberty given to build an open wharf at lower end to lie open for use of inhabitants, about 80 or 100 feet below highway, 1737; called Proctor's lane, 1796, but still called Wood lane on Carleton's map of 1800; made part of Richmond street, 1824.

Wood place, B.; from Eliot street, north, nearly opposite Warren (now Warrenton) street, 1856; closed.

†**Wood street**, Dor.; from Walnut street, north-westerly, near N. Y., N. H. & H. R.R.; part between Walnut street and Taylor street, laid out as Rice street, July 26, 1894. L 2608.

***Wood street**, Chsn.; from Main street to High street; accepted, Aug. 21, 1820.

Wood-street court, Dor.; from Walnut street to Wood street, now called Lorenzo street.

Wood-Island park, E. B.; from B., R. B. & L. R.R., south-easterly, to the water.

***Woodbine street**, Rox.; from Warren street to Blue Hill avenue; laid out, Dec. 16, 1870. L 592.

***Woodbury street**, B.; from Washington street to Shawmut avenue; Metropolitan place, from Washington street, west, laid out, extended to Shawmut avenue, including Amee place, and named Woodbury street, March 29, 1882. L 1594.

Woodcliff street, Dor.; from Howard avenue, south-east, opposite Dalmatia street.

Woodland avenue, Dor.; from Savin Hill avenue to Grampian way.

†**Woodland road**, W. Rox., 1892; from Pond street and May street; authority to open given by Street Commissioners, June 20, 1892; from Moss Hill road, westerly, to Moss Hill road again at its junction with Pond street; laid out for about 500 feet west from Moss Hill road, Oct. 12, 1894. L 2635.

Woodlawn avenue, Dor.; from West Selden street to Delhi street; (proposed).

- Woodlawn street**, W. Rox., 1892; between Hyde Park avenue and Forest Hills cemetery; authority to open given by Street Commissioners, May 4, 1892.
- ***Woodman street**, W. Rox.; from Custer street to Jamaica street; formerly a part of White avenue; laid out from Jamaica street to White avenue (now Custer street), Dec. 9, 1878. L 1339.
- Woods place**, Chsn.; from North Mead street, north-westerly, to Charlestown playground, then north-easterly.
- ***Woodside avenue**, W. Rox.; from Washington street to Forest Hills street; shown on map, 1849; laid out and accepted as Town way, Nov. 15, 1854.
- ***Woodstock avenue**, Bri.; from 44 Summit avenue.
- Woodstock street**, Rox.; from Maple avenue (now Bellevue street) to Plymouth street.
- Woodville avenue**, Rox.; from Blue Hill avenue, easterly, northerly, and westerly to Dennis street, 1873; same called later Woodville square; northerly and westerly parts later called Woodville street; now forming Woodville street, and a part of West Cottage street.
- Woodville park**, Rox.; from Dennis street, north-west, between Stafford street and Moreland street; called Tyso park in 1890.
- Woodville square**, Rox.; from West Cottage street, northerly, then westerly, to Dennis street; on chart, 1873, called Woodville avenue, from Blue Hill avenue, easterly, northerly, and westerly to Dennis street; later called Woodville square; West Cottage street extended to Blue Hill avenue in part over part of, Feb. 18, 1875; laid out from West Cottage street and Dennis street, March 26, 1877; name of, between West Cottage street and Dennis street, changed to Woodville street, March 1, 1890; name of Dennis street, from Woodville square to Blue Hill avenue, changed to Woodville street, March 1, 1890. L 1027.
- ***Woodville street**, Rox., 1890; from Blue Hill avenue to West Cottage street; name of Woodville square, from West Cottage street to Dennis street, changed to Woodville street, March 1, 1890; name of part of Dennis street, from Woodville square to Blue Hill avenue, changed to Woodville street, March 1, 1890. L 1085, L 1222.
- ***Woodward avenue**, Rox.; from Dudley street to George street; laid out, May 7, 1877. L 1232.
- Woodward park**, Dor.; from Dudley street, south-westerly, then north-westerly, to Howard avenue; part south-westerly from Dudley street laid out, with name of Folsom street, Aug. 5, 1884; remainder, between Folsom street and Howard avenue, called Woodward Park street in Directory and in Bromley's atlas, 1894. L 1798, L 2793.
- Woodward place**, So. B.; from Woodward street, southerly, near Dorchester avenue.
- ***Woodward street**, So. B.; from Dorchester street to Dorchester avenue; laid out and extended, Nov. 3, 1869. L 484.
- ***Woodward Park street**, Dor.; from Howard avenue to Folsom street; laid out, Oct. 29, 1896. L 2793.
- Woolsey square**, W. Rox.; open space around railway station at Green street station, between Green street and Gordon street; called also Depot square.
- ***Woolson street**, Dor.; from Blue Hill avenue to Norfolk street; laid out, Aug. 5, 1892. L 2420.
- Worcester place**, B.; from Washington street, north-westerly, between Lenox street and Clifton place; same in 1859.
- ***Worcester square**, B.; from Washington street to Harrison avenue; part of East Worcester street, 1834; called Worcester square, 1851;

accepted as laid out by the City of Boston in 1852, June 30, 1863. Vol. 31, p. 14. L 149.

- ***Worcester street**, B.; from Washington street to Columbus avenue; laid out on the Neck, July 24, 1826; named from Tremont street to Front street (now Harrison avenue), Sept. 15, 1834; widened between Washington street and Harrison avenue and a common or mall laid out, to be completed by Jan. 1, 1852; Worcester street accepted, Dec. 7, 1857; extended west of Tremont street to Boston Water Power Co.'s line and accepted, Aug. 13, 1861; part between Washington street and Harrison avenue accepted and named Worcester square, June 30, 1863; laid out from Boston Water Power Co.'s old line to Columbus avenue, Oct. 26, 1869; laid out from Columbus avenue to B. & P. (now N.Y., N. H. & H.), R.R. Dec. 7, 1869; from Columbus avenue to B. & P. R.R. named Claremont park, Nov. 22, 1870. L 383, L 452, L 502, L 516.
- Worcester street**, Bri.; from Washington street to Mt. Vernon street, 1875; called Church street in 1885; no record; laid out, with name of Eastburn street, June 11, 1886. L 1911.
- Worcester turnpike**, Rox.; from Guild row to Brookline line; called Washington street, 1825; part between Guild row and Pyncheon street (now Columbus avenue) named Roxbury street, June 16, 1874; part between Pyncheon street and Brookline line named Tremont street, April 21, 1868; part between Francis street and Brookline line changed to Huntington avenue, Jan. 5, 1895.
- †**Wordsworth street**, E. B.; from Pope street to Coleridge street; laid out, from Saratoga street to Milton street, Sept. 8, 1885. L 1885.
- Worley street**, W. Rox.; from Weld street, near Arnold street, south-easterly, to Dwinell street.
- Wormwood street**, So. B.; from A street south-east to N. E. R.R., between Congress street and Binford street.
- Worthington place**, Rox.; from Tremont street, southerly, opposite Worthington street; now South Worthington street.
- ***Worthington street**, Rox.; from Tremont street to Longwood avenue laid out, Aug. 16, 1887. L 1831, L 2011, L 2012.
- †**Wren street**, W. Rox.; from Rutledge street to Robin street; shown on map, but unnamed, 1849; laid out, from Rutledge street to Oriole street, Nov. 5, 1894. L 2668.
- Wrentham park**, Dor.; from Dorchester avenue, west, near Ashmont street.
- ***Wrentham street**, Dor.; from Dorchester avenue to Bruce street, opposite Shelton street; formerly from Dorchester avenue to Ashmont street; laid out, from Ashmont street to Dell (now Dracut) street, March 27, 1890; name of part between Ashmont street and Dracut street changed to Bruce street, March 1, 1894; laid out, from Dorchester avenue to Shelton street, Oct. 4, 1894. L 2214, L 2667.
- Wright's court**, So. B.; from West Broadway to Athens street, between D street and E street.
- Wright street**, W. Rox.; from Sycamore street, south-east, then south-west to Hawthorne street.
- Wybourne's lane**, B.; Hawley street was so called at an early date.
- Wyman place**, B.; from Common street, north-easterly, near Washington street; same in 1868.
- Wyman place**, Rox.; from Centre street, southerly, opposite Parker street; Gilbert street (now Chestnut avenue) extended to Centre street over a part of Wyman place, Sept. 7, 1881. L 1499.
- ***Wyman street**, Rox.; from Centre street to Lamartine street; accepted and named from Centre street to Curtis street (now Chest-

nut avenue), Nov. 26, 1866; extended to Lamartine street, June 5, 1877. L 1241, L 2119, L 2174.

Wyman street, W. Rox.; from Norfolk street, south-west.

†**Wyoming street**, Rox.; from Warren street to Humboldt avenue; laid out from Warren street to Wabeno street, Aug. 31, 1882; authority to open part from Wabeno street to Humboldt avenue given by Street Commissioners, June 9, 1891. L 1635.

Wyvern street, W. Rox., 1896; from Hyde Park avenue to Florence street; authority to open given by Street Commissioners, June 8, 1896.

***Yarmouth street**, B., 1869; from Columbus avenue to B. & P. (now N. Y., N. H. & H.) R.R. L 502, L 516.

Yendley place, Rox.; from Coventry street, north-east, north-west of Berlin street; included in the extension of Columbus avenue, Jan. 4, 1895. L 2682.

Yeoman court, Rox.; from Yeoman street, south-west, between Adams street and Chadwick street.

Yeoman place, Rox.; from Yeoman street, north-east, between Adams street and Chadwick street.

***Yeoman street**, Rox.; from Albany street to Hampden street.

York street, Dor.; from Glenway street to Greenwood street.

Yorktown street, W. Rox., 1896; from La Grange street to Potomac street; authority to open given by Street Commissioners, Oct. 19, 1896.

Young's court, B., 1860; from North street, west, between Cross street and Arch place; not in atlas or directories.

Zamora street, W. Rox., 1895; from Perkins street to Castleton street; authority to open given by Street Commissioners, Jan. 5, 1895.

Zeigler place, Rox.; from Zeigler street, south-west, between Winslow street and Dearborn street.

***Zeigler street**, Rox.; from Washington street to Dearborn street. L 504.

Zeller street, W. Rox.; from south-east of Selwyn street, north-west.

Zone street, B., 1840; from Grove street to the rear of West Cedar street; Myrtle street extended through it to May street, 1851.



ANNUAL REPORT
OF THE
TREASURY DEPARTMENT,
FOR THE FINANCIAL YEAR, 1896-97.

CITY OF BOSTON, TREASURY DEPARTMENT,
CITY HALL, February 13, 1897.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: I herewith transmit the annual report of the transactions of the Treasury Department, which includes the receipts and payments of the City of Boston and County of Suffolk for the financial year of 1896-97, beginning February 1, 1896, and terminating January 31, 1897, with an Appendix, showing the Trust Funds in my custody.

Respectfully submitted,

ALFRED T. TURNER,

City Treasurer.

ANNUAL REPORT OF THE CITY TREASURER FOR THE FINANCIAL YEAR 1896-97, WHICH ENDED JANUARY 31, 1897.

Balance of Cash on hand February 1, 1896, brought from the financial year 1895-96.....			\$3,546,779 67
RECEIPTS.			
Received during the year 1895-96 on account of the City of Boston from:			
City Collector.....		\$19,627,645 99	
Temporary Loan, 1896-97, anticipation of Taxes:			
5 %.....	\$1,922,200 00		
4½ %.....	130,800 00		
4 %.....	1,700,000 00		
½ %.....	820,000 00		
3 %.....	1,600,000 00		
		6,173,000 00	
City Loans:			
Rapid Transit, 3½ %.....	\$2,000,000 00		
Blue Hill and other aves., 4 %..\$1,000,000 00			
Blue Hill and other aves., 3½ %.. 500,000 00			
	1,500,000 00		
Laying-Out and Construction of Highways, 4 %.....\$700,000 00			
Laying-Out and Construction of Highways, 3½ %..... 500,000 00			
	1,200,000 00		
Various Municipal Purposes, July 3 and Dec. 8, 1896, 4 %.....	590,000 00		
Public Parks, 3½ %.....	500,000 00		
School-houses, 4 %.....	500,000 00		
Various Municipal Purposes, July 9, 1895, 4 %.....	442,000 00		
School Buildings, Improvements in, 4 %..	300,000 00		
Various Municipal Purposes, Nov. 4, 1896, 4 %.....	250,500 00		
Various Municipal Purposes, Oct. 6, 1896, 4 %.....	145,500 00		
Charlestown Bridge, 4 %.....	130,500 00		
Various Municipal Purposes, July 3, 1896 4 %.....	103,000 00		
Stony Brook Improvement, 4 %.....	100,000 00		
Sidewalk Assessments, Repayments of, 4 %.....	100,000 00		
New General Register of Qualified Voters, 4 %.....	100,000 00		
Public Bath-house, 4 %.....	65,000 00		
Wire Department, 4 %.....	50,000 00		
Commonwealth Avenue, 3½ %.....	50,000 00		
Street Department, Sewer Division, 4 %..	41,000 00		
Sewer outlets, South Boston, 4 %.....	35,000 00		
New Ferry Landing, 4 %.....	30,000 00		
South Union Station, 4 %.....	25,000 00		
Public Park, Wards 6 and 7, 4 %.....	11,300 00		
Electric Lighting Plant, Deer Island, 4 %..	6,000 00		
		8,274,800 00	
Board of Commissioners of Sinking Funds:			
For payment of Debt.....		2,023,186 91	
Premium on City Loans, negotiated.....		314,848 50	
Interest on Bank Deposits:			
General account.....	48,212 85		
Franklin Trades School Fund.....	6,903 44		
		55,116 29	
Bequest of George L. Randidge, "Poor Children's Excursions".....		50,000 00	
Pay-roll Tailings, Settlements with Cashier, parties unpaid.....		7,286 45	
Public Library Trust Fund, Charles Mead Bequest.....		2,500 00	
City Hospital Trust Fund, Burrell Ether Prize Fund.....		1,000 00	
Carried forward.....		\$36,529,384 14	\$3,546,779 67

<i>Brought forward</i>		\$36,529,384 14	\$3,546,779 67
Samuel E. Sawyer Requests:			
Marcella-st. Home.....	\$213 94		
Horace Mann School.....	213 94		
		427 88	
Tax Titles, etc.....		270 00	
Premium on Temporary Loan negotiated....		10 00	
			36,530,092 02
On account of the County of Suffolk:			
City Collector.....		\$211,814 29	
Pay-roll Tailings.....		718 49	
			212,532 78
			<u>\$40,289,404 47</u>

PAYMENTS.

MADE ON ACCOUNT OF THE CITY OF BOSTON DURING THE FINANCIAL YEAR 1896-97.

On Mayor's drafts charged to the following appropriations:			
Assessing Department.....			\$148,743 43
Auditing Department.....			31,677 67
Board of Aldermen:			
Salaries of Board.....	\$23,724 46		
Soldiers' Relief.....	206,214 22		229,938 68
Building Department:			
Department Expenses.....	\$72,695 23		
Board of Appeal.....	1,216 50		73,911 73
Bust of Oliver Wendell Holmes.....			1,200 00
City Clerk Department.....			47,687 99
City Council:			
Contingent Fund, Joint Committees.....	\$7,883 75		
Incidental Expenses.....	42,423 85		
City Council Proceedings.....	17,563 20		67,870 80
City Debt Requirements:			
City Debt.....	\$1,290,322 00		
Interest.....	1,732,260 47		3,022,582 47
City Loans, Redemption of:			
Redemption of City Debt Proper.....	\$2,021,974 07		
Cost of Redemption of Matured Bonds.....	1,212 84		2,023,186 91
City Messenger Department.....			27,168 38
Clerk of Committees Department.....			13,182 34
Collecting Department.....			93,000 00
Common Council.....			10,212 77
Damages by Dogs, etc.			3,010 28
Election Department:			
Election Department.....	\$114,605 20		
New General Registry of Qualified Voters,	99,474 71		214,079 91
Engineering Department.....			71,049 99
Fire Department.....			1,224,126 35
George B. Hyde Bequest.....			1,500 00
Health Department.....			179,306 95
Hospital Department:			
Hospital Department.....	\$341,331 14		
Electric Light Plant.....	12,512 49		
Fire Service.....	2,907 35		
Furnishing Surgical Ward.....	12,071 70		
New Buildings, City Hospital.....	125,048 84		493,871 52
Improved Sewerage.....			35,450 58
Institutions Department:			
Institutions Department.....	\$755,724 91		
Chapel and Administration Building, Long Island.....	525 32		
Chapel and Physician's House, Long Island, Furnishing.....	3,482 93		
Electrical Lighting Plant, Deer Island.....	6,827 45		
House of Industry, Alterations and Additions.....	120,376 07		
New Lunatic Hospital.....	3,355 54		
Parental School, new buildings and furnishing.....	56,786 34		
Reconstruction of Wharves, etc.....	14,960 92		962,039 48
Lamp Department.....			601,219 65
Law Department.....			41,056 35
Laying-Out and Construction of Highways:			
Laying-Out and Construction of Highways.....	\$936,955 03		
Interest on debt.....	99,024 43		1,035,979 46

Carried forward.....\$10,653,053 69

<i>Brought forward</i>		\$10,653,053 69
Blue Hill and other avenues:		
Blue Hill and other avenues.....	\$1,283,447 09	
Interest on Debt.....	52,112 89	
		1,335,559 98
Library Department		248,005 85
Market Department		7,692 24
Mayor:		
Mayor.....	\$41,859 10	
Public Celebrations.....	26,870 94	
		68,730 04
Mount Hope Cemetery Department:		
Mount Hope Cemetery	\$29,990 19	
Water Pipes, etc.....	7,009 38	
		36,999 57
Overseeing of the Poor Department		129,162 92
Parade Ground, etc., for the Militia		692 40
Park Department:		
Park Department.....	\$125,483 29	
Public Parks.....	339,963 98	
Public Park, Wards 6 and 7.....	59,302 73	
Playground, First Street.....	454 15	
Playstead, Neponset.....	433 84	
Strandway, from Marine Park west.....	37,640 33	
		563,278 32
Phillips Street Fund, Income		2,603 86
Police Department:		
Police Department.....	\$1,661,129 01	
New boat.....	49 294 54	
Police Charitable Fund, Income.....	9,940 00	
Sub-Police Station, Division 11.....	8,500 00	
		1,728,863 55
Printing Department		37,376 85
Public Bath House		14,154 25
Public Buildings Department:		
Public Buildings Department.....	\$197,272 25	
Public Buildings, Schools.....	225,972 37	
Drainage of Faneuil Hall and Quincy		
Market-houses.....	7,362 25	
Fire-proofing Dome, etc., City Hall.....	7,503 54	
Improvements in Council Chamber and		
Chamber of Board of Aldermen.....	3,059 88	
Ladder-house, Ward 19.....	10,349 33	
Library Building, Dartmouth street.....	50,502 00	
Library Building, Dartmouth street, fur-		
nishing.....	16,799 96	
New Electrical Construction, etc.....	25,000 00	
Public Library, West Church, remodelling		
and furnishing.....	11,981 56	
Reconstruction, etc., Basement of Old		
Court house.....	4,454 76	
Ward Room, Ward 20.....	6,300 00	
		566,557 90
Public Grounds Department:		
Public Grounds.....	\$94,295 76	
City Nursery and Greenhouses, Store-		
houses, etc.....	272 65	
Grading, Richardson Park.....	996 75	
Highland Park.....	573 22	
Independence Square and Thomas Park..	4,480 76	
Playground, Fellows street	490 04	
		101,109
Rapid Transit:		
Rapid Transit.....	\$1,406,397 87	
Interest on Debt.....	58,702 87	
		1,465,100 74
Registry Department		26,127 25
Reserved Fund		56,909 39
School Committee:		
School Committee.....	\$2,076,186 18	
Gibson School Fund, Income.....	1,080 34	
Robert C. Winthrop Fund.....	111 04	
School-houses.....	304,783 69	
School-buildings, Improvements in.....	172,842 43	
Brighton High School-house.....	9,880 38	
Cudworth School-house, additional land..	5 000 00	
Dorchester High School-house, land.....	12,000 00	
Grammar School-house, Bowdoin Dis-		
trict.....	55,127 85	
<i>Carried forward</i>	\$2,637,011 91	\$17,041,983 98

<i>Brought forward</i>	\$2,637,011 91		\$17,041,983 98
Grammar School-house, Gibson District..	5,905 00		
Grammar School-house, Mt. Vernon District, grading, etc.....	1,334 00		
Grammar School-house, Stoughton District, building.....	49,738 37		
Hancock School-house, Enlargement of yard.....	3,808 23		
Mechanic Arts High School, furnishing...	1,459 57		
New School-house, Ward 15.....	58,580 00		
Primary School-house, Canterbury and Sharon streets.....	3,806 43		
Primary School-house, Eustis street, new building.....	3,374 13		
Primary School-house, Genesee street.....	29,790 23		
Primary School-house, Morton street.....	2,880 63		
Primary School-house, North and West Ends.....	9,236 00		
			2,806,924 50
Sidewalk Assessments, Repayment of.....			70,024 88
Sinking Funds Department.....			2 350 27
South Union Station.....			8,039 32
Street Department:			
Central Office.....		\$18,781 85	
Bridge Division.....	\$119 942 32		
Cambridge Bridges Division.....	13,835 54		
Abolishment of Grade Crossings.....	20,629 48		
Charles-river Bridge, draw, remodelling, etc.....	2,517 12		
Charlestown Bridge.....	80,435 40		
Chelesea Bridge, North, rebuilding draw, etc.....	8,231 10		
Everett-street crossing.....	3,800 00		
Gold-street Bridge.....	28 25		
Meridian-street Bridge, reconstructing draw.....	11,426 87		
Reconstruction of Essex-street Bridge.....	4,969 43		
		265,815 51	
Ferry Division.....	\$218,321 15		
Awning, North Ferry, East Boston side...	742 94		
New Ferry Landing.....	21,961 61		
		241,025 70	
Paving Division.....	\$628,551 09		
Bennington and Walley streets.....	11,924 90		
Centre street, Dorchester, reconstruction.....	867 10		
Columbus avenue, Massachusetts avenue to Northampton street, Asphalt.....	7,100 00		
Commonwealth avenue.....	130 471 33		
Congress and L streets.....	7,608 17		
Eleanor and Ridgemont streets, Ward 25..	110 85		
Elmira street, Ward 25.....	1,000 00		
Franklin street, Ward 25.....	99 48		
Hanover street, between Charter and Tilton street.....	3,827 66		
Leicester street, Ward 25.....	2,000 00		
McLellan street, old road to White street..	4,056 84		
Orleans street, from Maverick street to Grove street.....	2,578 80		
Saratoga street, filling solid old bridge.....	2,022 20		
Street Improvements, Old Wards:			
Wards 1 and 2.....	16,296 95		
Ward 3.....	13,006 81		
Ward 4.....	1,643 16		
Ward 5.....	5,125 85		
Wards 9 and 10.....	5,850 24		
Ward 12.....	21,065 17		
Ward 13.....	20,937 95		
Wards 14 and 15.....	27,320 87		
Ward 15.....	891 39		
Ward 16.....	1,092 13		
Wards 17 and 18.....	5,086 99		
Wards 19 and 22.....	15,857 22		
Ward 20.....	12,889 36		
Ward 24.....	7,530 60		
Ward 25.....	4,409 11		
Street Improvements:			
New Wards:			
Ward 1.....	24,851 84		
Ward 2.....	29,283 92		
<i>Carried forward</i>	\$1,015,357 98	\$525,623 06	\$19,929,322 95

<i>Brought forward</i>	\$1,015,357 98	\$525,623 06	\$19,929,322 95
Ward 3.....	7,227 61		
Ward 4.....	11,530 61		
Ward 5.....	24,467 48		
Ward 6.....	24,698 36		
Ward 7.....	25,000 00		
Ward 8.....	24,280 84		
Ward 9.....	23,916 01		
Ward 10.....	22,924 99		
Ward 11.....	22 907 08		
Ward 12.....	19,523 39		
Ward 13.....	14,882 15		
Ward 14.....	10,472 11		
Ward 15.....	10,153 64		
Ward 16.....	15,207 17		
Ward 17.....	25,000 00		
Ward 18.....	18 317 52		
Ward 19.....	9,421 82		
Ward 20.....	25 000 00		
Ward 21.....	20,426 59		
Ward 22.....	23,308 63		
Ward 23.....	50,000 00		
Ward 24.....	25,000 00		
Ward 25.....	8,862 47		
Sydney street, Ward 20, reconstruction.....	436 40		
Talbot avenue, Dorchester avenue to Wash- ington street.....	2,671 62		
Tremont street, from Lenox street to Rox- bury Crossing, paving.....	9,501 26		
Wall street, paving.....	5,000 00		
		\$1,495,555 73	
		477,241 54	
Sanitary Division.....			
Sewer Division.....	\$276,615 25		
Canal-street Relief Sewer.....	7,536 37		
Connections with Metropolitan Sewer, Charlestown.....	2,369 64		
Connection with Metropolitan Sewer, East Boston.....	5,874 33		
Forest-avenue Section, temporary sewer outlet, etc.....	21 801 71		
Pumping-station improvements.....	5 017 75		
Sewer outlet (low level), W. Roxbury Dist. Sewers, South Boston.....	4,643 57		
	82 80		
Sewer outlets, South Boston.....	18 895 08		
Shamrock-street outlet.....	953 05		
Storm Sewer, Cornwall and Washington streets, Ward 22.....	2,903 52		
Stony Brook Improvement.....	98,150 74		
		444,848 81	
		310,266 39	
		71,211 81	
Street Cleaning Division.....			
Watering Division.....			
Street Laying-out Department:			3,324,747 34
Street Laying-out Department.....	\$42,066 64		
Abbottsford street, Ward 21, widening and construction.....	5,415 00		
Arklow street.....	1,364 80		
Chambers street, Ashland street, to Liv- ingston street.....	4,000 00		
Essex and Lincoln streets.....	65,234 26		
Extension of Columbus avenue, etc.....	19,522 00		
Harrison avenue, between Essex and Beach streets.....	89,467 90		
Quincy street, Ward 4, laying-out and con- struction.....	11,109 18		
Talbot avenue.....	6,500 00		
			244 679 78
Treasury Department.....			39,993 97
Temporary Loan, 1896-97.....			6,173,000 00
Water Department:			
Cochituate Division.....	\$775,070 45		
Interest on Debt.....	878,379 98		
Sinking-Fund. Requirements for Debt.....	194,740 00		
Additional Supply of Water.....	506 738 31		
Extension of Mains, etc.....	232,142 98		
Mystic Water Works, Land, etc.....	375 00		
			2,587 446 72
Weights and Measures Department.....			22,572 21
Wire Department.....			47,970 94
Total payments on Mayor's Drafts.....			\$32,369,733 91
<i>Carried forward</i>			\$32,369,733 91

<i>Brought forward</i>			\$32,369,733 91
Amounts paid, but not drawn for by Mayor, through the Auditor's office, charged to the following accounts:			
Commonwealth of Massachusetts:			
State Tax.....	\$628,740 00		
National Bank Tax.....	568,555 38		
Liquor License Revenue.....	362,448 75		
Armory Loan Sinking Fund.....	10,056 27		
Armory Loan, Interest on.....	18,000 00		
Abolishment of Grade Crossings Account, Interest on.....	34,559 56		
Abolishment of Grade Crossings Account, Interest on.....	11,023 97		
Corporation Tax.....	951 14		
		\$1,634,335 07	
Board of Commissioners of Sinking Funds:			
Revenue payable under authority of Ordinance.....	\$58,183 04		
Revenue from Laying-Out and Construction of Highways.....	79,430 68		
Premiums on Loans negotiated.....	314 848 50		
		452,462 22	
Randidge Trust Fund.....		50,000 00	
Pay-roll Tailings, payments by Cashier to parties not paid by Paymasters.....		4,777 76	
Taxes refunded.....	\$1,608 43		
Protested Taxes refunded.....	2,044 35		
		3,652 78	
Old Claims, City Account.....		2,110 98	
Temporary Loan, 1893-94.....		2,000 00	
Mt. Hope Cemetery Trust Fund.....		2,000 00	
Cochituate Water-rates refunded.....		1,493 17	
Residue Tax Sales, etc.....		1,449 02	
Liquor License Revenue refunded.....		1,400 00	
Protested West Roxbury Parkway Betterments refunded.....	\$1,072 50		
Park Betterments refunded.....	130 50		
		1,203 00	
Public Library Trust Fund:			
C. G. Loring Bequest.....		500 00	
Tax Titles, etc.....		270 00	
Duplicates and Overpayments to City Collector refunded.....		195 42	
Mystic Water-rates refunded.....		172 89	
Tuition of Non-residents refunded.....		92 10	
Sewer Assessments refunded.....		57 41	
		2,158,171 82	
Total payments on City account.....			\$34,527,905 73
<i>County of Suffolk.</i>			
Paid during the financial year 1896-97, as allowed and certified by the Auditor of the City of Boston acting as Auditor of the County of Suffolk, under authority of Sect. 24, Chap. 23, Public Statutes:			
County Buildings.....			\$17,199 54
Court House.....			54,626 35
Jail.....			37,856 40
Supreme Judicial Court.....			26,856 80
Superior Court, Civil Sessions.....			180,401 63
Superior Court, Criminal Session.....			81 358 76
Probate Court and office.....			20,173 85
Municipal Court, Civil Session.....			17,806 32
Municipal Court, Criminal Session.....			79,501 90
Municipal Court, Charlestown.....			9 318 43
East Boston District Court.....			7,720 24
Municipal Court, South Boston.....			11,046 12
Municipal Court, Dorchester District.....			5 357 11
Municipal Court, Roxbury District.....			11,463 31
Municipal Court, West Roxbury District.....			5,666 02
Municipal Court, Brighton District.....			5 341 98
Police Court, Chelsea.....			6,783 17
Insanity Cases.....			19,039 44
Medical Examinations.....			41,451 68
Registry of Deeds.....			12,468 14
Miscellaneous Expenses.....			15,987 07
House of Correction.....			96,559 78
<i>Carried forward</i>			\$763,984 04

<i>Brought forward</i>			\$763,984 04
County Loans, Redemption of.....			17,000 00
County Debt Sinking Fund Requirements.....			49,579 00
Total payments allowed by Auditor.....			<u>\$830,563 04</u>
Amounts drawn for by Auditor and approved by the Mayor:			
Interest on County Debt.....	\$131,300 00		
Suffolk County Court House.....	4,557 41		
			135,857 41
Other payments as County Treasurer:			
County Fines to Complainant.....		\$524 80	
Pay-roll Tailings, Payments by Cashier to parties not paid by Paymaster.....		423 79	
Bounty for destruction of Seals.....		102 00	
Bill refunded.....		100 00	
Old Claims.....		57 49	
County Fine awarded to wife.....		20 00	
			1,228 08
Total Payments on Account of the County of Suffolk.....			<u>\$967,648 53</u>
RECAPITULATION.			
Cash Balance, February 1, 1896.....			\$3,546,779 67
Receipts from February 1, 1896, to January 31, 1897, both inclusive:			
Account of City of Boston:			
City Collector.....	\$19,627,645 99		
Temporary Loans.....	6,173,000 00		
City Loans.....	8,274,800 00		
Other Sources.....	2,454,646 03		
		\$36,530,092 02	
Account of County of Suffolk:			
City Collector.....	\$211,814 29		
Other Sources.....	718 49		
		212,532 78	
			36,742,624 80
Payments from February 1, 1896, to January 31, 1897, both inclusive:			\$40,289,404 47
Account of City of Boston:			
General Drafts.....	\$13,946,824 74		
Pay-roll Drafts.....	9,918,467 24		
Special Drafts.....	8,504,441 93		
Amounts not drawn for by Mayor through Auditor's office.....	2,158,171 82		
		\$34,527,905 73	
Account of County of Suffolk:			
General Payments.....	\$830,563 04		
Special Drafts.....	135,857 41		
Other Amounts.....	1,228 08		
		967,648 53	
			35,495,554 26
Cash Balance, January 31, 1897, carried forward to Financial Year 1897-98.....			<u>\$4,793,850 21</u>

To Special appropriations, money derived from Loans carried forward to financial year 1897-98.....	\$3,865,193 06	
Appropriations and Excess of Income carried forward to financial year 1897-98.....	424,084 85	
Amounts held to the credit of the following accounts:		
Franklin Trades School Fund.....	\$347,980 94	
Protected Taxes, General Appropriation Account.....	55,100 45	
Board of Commissioners of S. Funds, Revenue Betterments, etc.....	34,675 39	
Residue Tax Sales, etc.....	12,359 73	
Pay-roll Tailings, City Account.....	11,056 12	
Duplicate and Overpayments to City Collector.....	8,270 21	
Protected Laying Out and Construction of Highway Assessments.....	8,108 92	
Old Claims, City Account.....	6,339 91	
Public Library Trust Funds.....	2,537 69	
Park Betterments Withheld.....	1,892 77	
Mt. Hope Cemetery Trust Fund.....	1,747 07	
Protected Betterments, Parkway, West Roxbury.....	1,647 83	
Pay-roll Tailings, County Account.....	1,540 74	
Bay State Gas Co. Guarantee Fund.....	1,328 00	
Protected Paying Assessments, Sinking Fund Account.....	1,325 01	
City Debt due prior to Feb. 1, 1896.....	1,000 00	
Herbert L. Burrell, Ether Prize Fund.....	1,000 00	
Protected Betterments, Parkway, Old Harbor.....	954 82	
George B. Hyde Bequest.....	686 97	
Naturalization Fees, Payable to the Social Law Library.....	678 50	
Tax Titles etc.....	597 31	
Protected Betterments, Muddy River Parkway.....	573 10	
Evergreen Cemetery Trust Fund.....	500 00	
Samuel E. Sawyer Bequests.....	427 88	
Daniel Preston Lot.....	361 15	
Old Claims, County Account.....	312 20	
Franklin Park Betterments, repayment of.....	238 22	
Protected Sewer Assessments.....	210 89	
Protected Betterments, Street Laying Out.....	204 60	
Protected Paying Assessments, Gen. Revenue Account.....	125 29	
Windrop Bequest, Latin School.....	103 96	
Protected Betterments, Parkway, Dorchester School Fund.....	13 84	
Gibson School Fund.....	79	
503,972 30	\$4,703,850 21	
	\$4,703,850 21	

APPENDIX.

The City Treasurer had in his possession, January 31, 1897, as treasurer and as custodian, the following trust funds, viz.:

BABCOCK MUSIC FUND.

By the will of ARCHIBALD BABCOCK, who died August 10, 1862, the sum of \$3,000 was bequeathed to the City of Charlestown, and accepted by the City Council of that city, November, 1862, upon the conditions and for the purposes expressed by him in his last will and testament:

"The income to be annually expended in procuring the services of musicians, or of a band or bands of musicians, to perform in public in the City of Charlestown, within its present limits, free to all its citizens, one-half of said income to be annually expended in procuring musicians, or band or bands of musicians, to play on or near the small common at the 'Neck,' so called, at the corner of Main and Cambridge streets, preference to be given to citizens of Charlestown, due regard being had as to ability and quality."

Deposits in the Charlestown Five-Cents Savings Bank	\$3,000 00
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CITY HOSPITAL FUNDS.

BALL FUND.—Bequest of JONAS BALL, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1919, interest at four per cent. per annum	\$1,000 00
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BURRELL ETHER PRIZE FUND.—Amount received from TOWNSEND WILLIAM THORNDIKE as follows: I hereby give to the Trustees of the Boston City Hospital the sum of \$1,000, to found the "Herbert L. Burrell Ether Prize Fund." From the interest of this fund I desire that money prizes shall be given semi-annually to the surgical house officer, who administers ether or other anæsthetic in the most skilful and humane manner. Only surgical house officers of the Boston City Hospital shall be eligible to compete. The award is to be made by three judges, these to be appointed by the senior surgeon and the superintendent of the hospital. In case no house officer is considered worthy of the prize, the interest shall be added to the principal. Should the principal increase to such an amount as shall be considered sufficient to warrant the offering of a second prize of lesser amount, such second prize shall be established, and shall be known as the "William H. Thorndike Ether Prize Fund." The 16th day of October being the anniversary of the discovery of anæsthesia, that date shall be one of the days on which a prize shall be awarded.

Cash in-city treasury	\$1,000 00
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CHEEVER FUND.—Donation by Dr. DAVID W. CHEEVER, accepted by the Trustees March 20, 1889, the income of which is to be expended as per following extract from his letter:

"To purchase and present to each house surgeon when his term of service expires a small case (pocket case) of surgical instruments as a gift from me."

Invested in one certificate of indebtedness of City of Boston, due
January 1, 1919, interest at four per cent. per annum . . . \$2,000 00

GOODNOW FUND. — A bequest of ELISHA GOODNOW, of South Boston, who died in 1851. By his will the city came into possession of certain real estate on Cross street and Third street, for the purpose of establishing a hospital for the sick, one-half of said funds to be applied for the establishment and maintenance of free beds, which should always be at the disposal and under the control of the officers of the government of said hospital for the time being. The proceeds from the sale of these estates and accumulated interest were invested in certificates of indebtedness of City of Boston, with rates of interest as follows:

One due October 1, 1897, five per cent. per annum . . .	\$4,000 00
One due April 1, 1906, six per cent. per annum . . .	1,000 00
One due April 1, 1913, four per cent. per annum . . .	16,500 00
One due April 1, 1915, four per cent. per annum . . .	4,500 00
	<u>\$26,000 00</u>

GOODNOW LIBRARY FUND. — Donation of GEORGE GOODNOW, the interest of which is to be expended annually by the Board of Trustees in replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1913, interest at four per cent. per annum . . . \$1,000 00

HEMMENWAY FUND. — Donation of Mrs. ELLEN L. HEMMENWAY, for the support of a free bed in the City Hospital in memory of her late husband, Charles P. Hemmenway.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1923, interest at four per cent. per annum . . . \$5,000 00

NICHOLS FUND. — Bequest of LAWRENCE NICHOLS, who died in September, 1862, of \$1,000, less internal-revenue tax, "towards the establishment and endowment of a City Hospital," and from the executor of the will as a residuary legatee, \$530.50. These amounts and accumulated interest were invested in

One certificate of indebtedness of City of Boston, due July 1, 1907, interest at six per cent. per annum . . .	\$1,000 00
One certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum . . .	1,000 00
	<u>\$2,000 00</u>

NORCROSS FUND. — Donation of OTIS NORCROSS, formerly Mayor of the City, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1897, interest at five per cent. per annum . . . \$2,000 00

PERKINS FUND. — Bequest of MARY G. PERKINS, the income of which is to be expended for Medical Library and artificial limbs and surgical appliances, for the use of patients leaving the hospital.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1919, interest at four per cent. per annum . . . \$7,500 00

SHAW FUND. — Bequest of MARY LOUISA SHAW, the income of which is to be expended by the Trustees for the purchase of flowers and fruit for the use and comfort of the patients in the hospital.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1905, interest at six per cent. per annum . . . \$2,000 00

Total City Hospital Trust Funds \$49,500 00

DORCHESTER SOUTH CEMETERY TRUST FUND.

Amount paid by the owners of lots in Dorchester South Cemetery, the income of which is to be expended for the perpetual care of said lots. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows:

One due April 1, 1913, four per cent. per annum	\$300 00
One due January 1, 1916, four per cent. per annum	100 00
	<u>\$400 00</u>

EVERGREEN CEMETERY FUND.

Amount paid by the owners of lots in Evergreen Cemetery, the income of which is to be expended for the perpetual care of lots. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows:

One due October 1, 1900, five per cent. per annum	\$100 00
One due April 1, 1902, four per cent. per annum	800 00
One due April 1, 1913, four per cent. per annum	200 00
One due October 1, 1914, four per cent. per annum	500 00
One due October 1, 1917, four per cent. per annum	500 00
One due November 15, 1919, three and one-half per cent. per annum	200 00
One due October 1, 1923, four per cent. per annum	800 00
One due October 1, 1923, four per cent. per annum	100 00
One due January 1, 1916, four per cent. per annum	100 00
	<u>\$3,300 00</u>

FOSS SEVENTEENTH OF JUNE AND FLAG FUNDS.

The City Council of the City of Charlestown, in August, 1866, accepted the bequests made in the will of JACOB FOSS, who died in Charlestown, June 2, 1866, the income of which is to be expended for the following purposes:

Celebrating the anniversary of the Battle of Bunker Hill, for either or all of the following purposes, viz.: "*Ringing the bells, firing salutes, music, or decorating the streets.*"

Invested in one certificate of indebtedness, City of Boston, due
October 1, 1897, interest at six per cent. per annum . . . \$2,000 00

Purchasing "United States flags for the use of the late City of Charlestown within its present limits; the flags so purchased to be used on all proper occasions, so that not more than two years' purchases shall be on hand at any time."

Invested in one certificate of indebtedness, City of Boston, due
October 1, 1897, interest at six per cent. per annum . . . \$2,000 00

FRANKLIN TRADES SCHOOL FUND.

The following is a copy of an order passed at a meeting of the Managers of the Franklin Fund, December 28, 1893:

Ordered, That the sum set apart from the general Franklin Fund as due to the City of Boston, on July 1, 1893, viz.: \$322,490.20 with its accumulations, be paid by the Treasurer of the Fund in January next to the City Treasurer, to constitute a special fund for the purchase of land, and for the

erection thereon of the Franklin Trades School, and the equipment of the same; said expenditures to be made under the direction of such department as may for the time being be charged by the Statutes and Ordinances with the duty of erecting and furnishing public buildings in the City of Boston. The location of and plans for said school to be approved by the Board of Managers of said fund.

Attest:

JOHN P. BRAWLEY, *Acting Clerk.*

Received January 17, 1894, according to above order, from S. F. McCleary, Treasurer of the Franklin Fund, as follows:

City's portion of the fund to January 17, 1894	\$328,940 00
Interest to January 17, 1894.	360 48
	\$329,300 48
Interest on deposit to January 1, 1897	20,055 21
	\$349,355 69
Mayor's Special Draft for expense of Managers	
visiting trades schools in other cities	\$1,800 00
Less not expended, returned	514 42
	\$1,285 58
Paid on Mayor's General Drafts, small expenses	89 17
	1,374 75
Amount of fund, January 31, 1897, deposited in Second	
National Bank	\$347,980 94

GEORGE B. HYDE FUND.

Amount received from executor of estate of GEORGE B. HYDE, being a legacy from said GEORGE B. HYDE, for the purpose of erecting a statue of Rufus Choate, and providing a suitable pedestal and foundation for the same. The amount of legacy, fourteen thousand dollars, with the income thereof, by order of the City Council to be invested, and on order of the Mayor, to be applied to the purchase and erection of said statue.

Amount of fund, invested in City bonds, February 1, 1896	\$14,000 00
July 1, 1896, sold one bond of \$1,000 at \$107	1,000 00
Leaving invested	\$13,000 00
Add proceeds of bond sold	1,072 22
	\$14,072 22
Interest received on investment	1,094 75
	\$15,166 97
Expended	1,500 00
Amount of fund, January 31, 1897	\$13,666 97
Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:	
Four due January 1, 1925, four per cent. per annum, \$2,000 each, ...	\$8,000 00
Five due, January 1, 1925, four per cent. per annum, \$1,000 each, ...	5,000 00
	\$13,000 00
Cash in City Treasury	666 97
	\$13,666 97

MOUNT HOPE CEMETERY FUND.

Amounts paid by owners of lots in Mount Hope Cemetery, the income from which is to be expended by the trustees for the perpetual care of lots.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due April 1, 1899, five per cent. per annum . . .	\$2,000 00
One due October 1, 1900, five per cent. per annum . . .	1,500 00
One due April 1, 1902, four per cent. per annum . . .	2,500 00
One due October 1, 1902, four per cent. per annum . . .	2,000 00
One due January 1, 1903, four per cent. per annum . . .	500 00
One due October 1, 1903, four per cent. per annum . . .	1,000 00
One due January 1, 1905, six per cent. per annum . . .	1,000 00
One due April 1, 1906, six per cent. per annum . . .	1,000 00
One due October 1, 1907, five per cent. per annum . . .	1,000 00
One due October 1, 1911, four per cent. per annum . . .	1,000 00
One due April 1, 1914, four per cent. per annum . . .	1,000 00
One due October 1, 1914, four per cent. per annum . . .	1,500 00
One due October 1, 1915, four per cent. per annum . . .	3,000 00
One due January 1, 1961, four per cent. per annum . . .	4,500 00
One due April 1, 1916, four per cent. per annum . . .	1,000 00
One due July 1, 1916, four per cent. per annum . . .	1,000 00
One due October 1, 1916, four per cent. per annum . . .	3,000 00
One due April 1, 1917, four per cent. per annum . . .	1,000 00
One due October 1, 1917, four per cent. per annum . . .	1,000 00
One due July 1, 1918, four per cent. per annum . . .	1,500 00
One due October 1, 1918, four per cent. per annum . . .	1,000 00
One due April 1, 1919, four per cent. per annum . . .	1,000 00
One due July 1, 1919, four per cent. per annum . . .	1,000 00
One due November 15, 1919, three and one-half per cent. per annum . . .	1,400 00
One due October 1, 1920, four per cent. per annum . . .	3,000 00
One due October 1, 1920, four per cent. per annum . . .	1,000 00
One due October 1, 1920, four per cent. per annum . . .	2,000 00
One due October 1, 1922, four per cent. per annum . . .	1,000 00
One due October 1, 1923, four per cent. per annum . . .	2,000 00
One due October 1, 1923, four per cent. per annum . . .	1,700 00
One due October 1, 1923, four per cent. per annum . . .	2,900 00
One due October 1, 1924, four per cent. per annum . . .	1,225 00
	\$51,225 00
Cash in City Treasury	1,747 07
	<u>\$52,972 07</u>

PHILLIPS-STREET FUND.

This is a bequest of JONATHAN PHILLIPS, who died in July, 1860, who gave by his will to the City of Boston \$20,000 "as a trust fund, the income of which will be annually expended to adorn and embellish the streets and public places in said city," which has been invested in

One certificate of indebtedness of City of Boston, due January 1, 1906, interest at six per cent. per annum, payable to the Mayor of the city for the time being, for \$20,000 00

POLICE CHARITABLE FUND.

By orders of the City Council, approved July 7, 1890, the principal and income of the fund known as the Police Charitable Fund, consisting of moneys which had been earned by police officers for fees as witnesses, in Municipal and District Courts of the City of Boston, were placed in charge of the City Treasurer, as custodian, and the Board of Police were authorized to expend the income thereof, and the amount appropriated for pensions of police, for the payment of pensions of members of the police force who have been placed on the pension roll, and with the approval of the Mayor, for the relief of persons who have received an honorable discharge from the police force by reason of sickness, age, or other disability, and

who are, in consequence thereof, in necessitous circumstances; and also for the relief of the widows and orphans, in necessitous circumstances, of police officers who have died while in the service of the city, or from the effects of injuries received in the execution of their duty.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1897, six per cent. per annum . . .	\$3,000 00
One due October 1, 1897, five per cent. per annum . . .	4,000 00
One due April 1, 1899, five per cent. per annum . . .	3,500 00
One due April 1, 1899, five per cent. per annum . . .	1,000 00
One due October 1, 1900, five per cent. per annum . . .	5,000 00
One due October 1, 1900, five per cent. per annum . . .	2,400 00
One due October 1, 1900, four per cent. per annum . . .	7,000 00
One due January 1, 1901, four per cent. per annum . . .	3,000 00
One due October 1, 1901, four per cent. per annum . . .	5,000 00
One due April 1, 1902, four per cent. per annum . . .	7,000 00
One due April 1, 1902, four per cent. per annum . . .	3,000 00
One due October 1, 1902, four per cent. per annum . . .	6,000 00
One due January 1, 1903, four per cent. per annum . . .	5,000 00
One due October 1, 1903, four per cent. per annum . . .	4,000 00
One due October 1, 1903, four per cent. per annum . . .	3,000 00
One due April 1, 1905, six per cent. per annum . . .	10,000 00
One due April 1, 1905, six per cent. per annum . . .	6,000 00
One due April 1, 1906, six per cent. per annum . . .	2,750 00
One due April 1, 1906, six per cent. per annum . . .	2,000 00
One due October 1, 1906, six per cent. per annum . . .	4,000 00
One due April 1, 1907, six per cent. per annum . . .	4,000 00
One due April 1, 1908, five per cent. per annum . . .	3 000 00
One due October 1, 1911, four per cent. per annum . . .	5,000 00
One due July 1, 1912, four per cent. per annum . . .	4,000 00
One due October 1, 1912, four per cent. per annum . . .	5,000 00
One due April 1, 1914, four per cent. per annum . . .	5,000 00
One due October 1, 1914, four per cent. per annum . . .	6,000 00
One due April 1, 1915, four per cent. per annum . . .	4,500 00
One due April 1, 1915, four per cent. per annum . . .	1,500 00
One due October 1, 1915, four per cent. per annum . . .	6,000 00
One due April 1, 1916, four per cent. per annum . . .	5,000 00
One due October 1, 1916, four per cent. per annum . . .	6,300 00
One due April 1, 1917, four per cent. per annum . . .	5,000 00
One due October 1, 1917, four per cent. per annum . . .	7,500 00
One due January 1, 1918, four per cent. per annum . . .	3,000 00
One due January 1, 1918, four per cent. per annum . . .	2,000 00
One due April 1, 1918, four per cent. per annum . . .	300 00
One due July 1, 1918, four per cent. per annum . . .	3,500 00
One due October 1, 1918, four per cent. per annum . . .	3,500 00
One due January 1, 1919, four per cent. per annum . . .	3 000 00
One due April 1, 1919, four per cent. per annum . . .	3,000 00
One due July 1, 1919, four per cent. per annum . . .	1,200 00
One due November 15, 1919, three and one-half per cent. per annum . . .	12,000 00
One due January 1, 1920, four per cent. per annum . . .	3,000 00
One due January 6, 1920, three and one-half per cent. per annum . . .	2,000 00
One due July 1, 1920, four per cent. per annum . . .	4,600 00
One due October 1, 1920, four per cent. per annum . . .	1,000 00
One due October 1, 1920, four per cent. per annum . . .	1,500 00
One due October 1, 1921, four per cent. per annum . . .	3,500 00
One due October 1, 1921, four per cent. per annum . . .	1,000 00
One due October 1, 1923, four per cent. per annum . . .	4,000 00
One due October 1, 1923, four per cent. per annum . . .	1,000 00

\$207,550 00

POOR WIDOWS' FUND.

This is a donation made by Mrs. JOANNA BROOKER and others, to the Selectmen of Boston for the time being.

The income from this fund is paid over in equal proportions to the Aldermen of this city, and they distribute the same, at their discretion, for the relief of POOR WIDOWS AND SICK PEOPLE.

Invested in One certificate of indebtedness of City of Boston, due October 1, 1897, interest at five per cent. per annum	\$1,500 00
One certificate of indebtedness of City of Boston, due April 1, 1905, interest at six per cent per annum	1,700 00
	<u>\$3,200 00</u>

PUBLIC LIBRARY FUNDS.

ABBOTT LAWRENCE FUND. — This is the bequest of ABBOTT LAWRENCE, of Boston.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1905, interest at six per cent. per annum	\$10,000 00
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The interest on this fund is to be exclusively appropriated for the purchase of books for the said library, having a permanent value.

BATES FUND. — This is a donation made by JOSHUA BATES, of London, in March, 1853.

Invested in one certificate of indebtedness of the City of Boston, due April 1, 1913, interest at four per cent. per annum	\$50,000 00
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"The income only of this fund is to be used, each and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful."

BIGELOW FUND. — This is a donation made by JOHN P. BIGELOW, in August, 1850, when Mayor of the City.

The income from this fund is to be appropriated to the purchase of books for the increase of the library.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum	\$1,000 00
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BOWDITCH FUND. — This is the bequest of J. INGERSOLL BOWDITCH, of Boston, of \$10,000, to the Boston Public Library, the income of which is to be expended for the purchase of books of permanent value and authority in Mathematics and Astronomy.

Invested in one certificate of indebtedness of City of Boston due January 1, 1920, interest at three and one-half per cent. per annum	\$10,000 00
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EDWARD LAWRENCE FUND. — This is the bequest of EDWARD LAWRENCE, of Charlestown. The following clause from his will explains its purpose:

"To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference to be kept and used only at the Charlestown Branch of said Public Library."

Invested in one certificate of indebtedness of City of Boston, due April 1, 1916, interest at four per cent. per annum	\$500 00
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FRANKLIN CLUB FUND. — This is a donation made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the

association, authorized its trustees, Thomas Minns, John J. French, and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: "In trust that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value for the use of the free Public Library of the city, and, as far as practicable, of such a character as to be of special interest to young men." The Trustees expressed a preference for books relative to Government and Political Economy.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1914, interest at four per cent. per annum . . . \$1,000 00

GREEN FUND. — Donations of DR. SAMUEL A. GREEN, formerly Mayor of the city, of \$2,000, the income of which is to be expended for the purchase of books relating to American history. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1900, five per cent. per annum . . .	\$500 00
One due April 1, 1908, five per cent. per annum . . .	1,000 00
One due April 1, 1914, four per cent. per annum . . .	500 00
	<u>\$2,000 00</u>

CHARLOTTE HARRIS FUND. — Bequest of CHARLOTTE HARRIS of Boston, the object of which is stated in the following extract from her will: "I give to the Charlestown Public Library \$10,000, to be invested on interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library, and the portrait of my grandfather, Richard Devens." Bequests accepted by City Council, July 31, 1877.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1897, interest at six per cent. per annum . . . \$10,000 00

THOMAS B. HARRIS FUND. — Bequest of THOMAS B. HARRIS of Charlestown, for the benefit of the Charlestown Public Library.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1914, interest at four per cent. per annum . . . \$1,000 00

CHARLES G. LORING MEMORIAL FUND. — Donation from family of CHARLES GREELY LORING, deceased, the income of which to be expended for the purchase of books for the West End Branch.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1916, interest at four per cent. per annum . . . \$500 00

CHARLES G. MEAD FUND. — Bequest of CHARLES G. MEAD, the same to constitute a trust fund to be designated the "Charles G. Mead Trust Fund," for the promotion of the objects of the Public Library, in such manner as the government of said library shall deem best, and so far as said government shall deem it consistent with the objects of the library to be used for the benefit of the South Boston Branch Library.

Cash in City Treasury \$2,500 00

PHILLIPS FUND. — This is a donation made by JONATHAN PHILLIPS, of Boston, in April, 1853.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1913, interest at four per cent. per annum . . . \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said library.

Also a bequest by the same gentleman in his will, dated 28th of September, 1849.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1903, interest at six per cent. per annum . \$20,000 00

The interest on which is to be annually devoted to the maintenance of a Free Public Library.

Mr. Phillips died on the 29th of July, 1860, at the age of 82; the latter sum was realized by the city in April, 1861.

PIERCE FUND. — This is a donation made by HENRY L. PIERCE, formerly Mayor of the city, November 29, 1873, and accepted by the City Council December 27, 1873.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1924, interest at four per cent. per annum . \$5,000 00

SCHOLFIELD FUND. — Bequest of ARTHUR SCHOLFIELD, of \$50,000, who died in New York, January 17, 1883, who provided that upon the death of certain heirs the interest was to be used for the purchase of books of permanent value. His last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston the sum of \$11,766.67, which represents the income of said fund received by him up to the time of his death, to be added to the fund bequeathed by his brother, and which, with the interest accumulated thereon, was invested in a certificate of indebtedness of the City of Boston for \$11,800.

The fund is now invested in certificates of indebtedness of the City of Boston, bearing interest and maturing as follows :

One due October 1, 1913, four per cent. per annum . . .	\$50,000 00
One due July 1, 1920, four per cent. per annum . . .	11,800 00
	<u>\$61,800 00</u>

SOUTH BOSTON BRANCH LIBRARY FUND. — Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1919, interest at four per cent. per annum . . . \$100 00

TICKNOR FUND. — By the will of GEORGE TICKNOR, of Boston, he bequeathed to the City of Boston all his books and manuscripts in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. The city is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (*i. e.*, the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years the income of said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese languages, or in such other languages as may be deemed expedient by those having charge of the library. The books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1920, interest at four per cent. per annum . . . \$4,000 00

TOWNSEND FUND. — This is a donation from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they might think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the pur-

chase of books for the use of the library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased."

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1899, interest at five per cent. per annum . . . \$4,000 00

TREADWELL FUND.—By the will of DANIEL TREADWELL, of Cambridge, late Rumford Professor in Harvard College, who died February 27, 1872, he left the residue of his estate, after payment of debts, legacies, etc., in trust to his executors, to hold during the life of his wife for her benefit, and after her decease to divide the residue then remaining in the hands of the trustees as therein provided, and convey one-fifth part thereof to the Trustees of the Public Library in the City of Boston. The income of which is to be expended by said trustees in such manner as they may deem for the best interests of the Library.

Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due January	1, 1916, four per cent. per annum	. . .	\$500 00
One due April	1, 1916, four per cent. per annum	. . .	2,000 00
One due October	1, 1917, four per cent. per annum	. . .	1,700 00
One due November 15,	1919, three and one-half per cent. per annum,		1,400 00
One due October	1, 1921, four per cent. per annum	. . .	1,000 00
One due October	1, 1923, four per cent. per annum	. . .	350 00
			<u>\$6,950 00</u>

Also —

16 shares Boston & Albany Railroad Corporation	. . .	2,785 00
6 shares Boston & Providence Railroad Corporation	. . .	1,077 00
12 shares Fitchburg Railroad Corporation preferred stock	. . .	1,062 00
1 share Vermont & Massachusetts Railroad Corporation	. . .	133 00
		<u>\$12,007 00</u>

Cash in City Treasury		37 69
		<u>\$12,044 69</u>

Total Public Library Trust Funds		<u>\$205,444 69</u>
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GEORGE L. RANDIDGE FUND.

This is a bequest of the late GEORGE L. RANDIDGE and received from George E. Hale and Alfred D. Foster trustees of his estate, June 26, 1896, the income thereof to be devoted for the sole purpose of affording to the children of the poor of the City of all religious denominations the pleasure of one or more excursions during the months of July and August in each year. Income to be paid as designated by the Mayor.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1916, interest at four per cent. per annum. . . \$50,000 00

SAWYER, MARCELLA-STREET HOME FUND.

Bequest of SAMUEL E. SAWYER for the benefit of the "Marcella-Street Home for Poor and Neglected Children," on the condition that the sum be safely invested as a permanent fund, and the income only of said sum be used in such manner as will best promote the interests and prosperity of the institution. Accepted by City Council by order approved November 30, 1895.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1916, interest at four per cent. per annum	. . .	\$2,000 00
Cash in City Treasury, received April 21, 1896	. . .	213 94
		<u>\$2,213 94</u>

SCHOOL FUNDS.

BOWDOIN, DORCHESTER, SCHOOL FUND. — Proceeds from the sale of a woodland estate in Milton, conveyed by Gov. JAMES BOWDOIN to the inhabitants of the Town of Dorchester, invested in

One certificate of indebtedness of City of Boston, due January

1, 1920, interest at four per cent. per annum . . . \$4,500 00

Income to be expended by the School Committee for the benefit of the Public Schools in that part of Boston called Dorchester.

COMINS SCHOOL LIBRARY FUND. — Donation of LINUS B. COMINS, the interest of which is to be expended upon the library of the "Comins Grammar School for Girls," and to be held in trust by the Chairman of the School Committee, the Mayor of the city, and the President of the Common Council, who are constituted, *ex officio*, Trustees of the Fund.

Invested in one certificate of indebtedness of City of Boston,

due April 1, 1899, interest at five per cent. per annum . . . \$500 00

EASTBURN SCHOOL FUND. — This is a bequest from JOHN H. EASTBURN and received from the executors of his estate in April, 1886.

The following clause from his will explains the purpose of the bequest:

"The interest to be applied to aid and assist deserving and poor scholars to finish their education, by pecuniary assistance, in the Normal School for Females."

Invested in one certificate of indebtedness of City of Boston,

due April 1, 1916, interest at four per cent. per annum . . . \$10,000 00

FRANKLIN SCHOOL MEDAL FUND. — This is a legacy by Dr. BENJAMIN FRANKLIN, in 1791, the interest on which, since 1792, has been invested in silver medals, which are now distributed at the annual examinations, among the most deserving boys in the ENGLISH HIGH AND LATIN SCHOOLS.

Invested in one certificate of indebtedness of City of Boston,

due April 1, 1900, interest at five per cent. per annum . . . \$1,000 00

Income unexpended, cash in the Globe National Bank . . . \$267 92

GIBSON SCHOOL FUND. — This is the bequest of CHRISTOPHER GIBSON, who provided by will, about 1674, that after the payment of legacies and debts, his executor should "purchase some estate for the promotion of learning in the town of Dorchester." The surviving executor, Daniel Preston, purchased for \$104 twenty-six acres of land at Smelt Brook, and deeded the same, February 6, 1693, to Enoch Wiswell, Samuel Robinson, John Tolman, James Bird, and Increase Sumner, as trustees, and to their successors and assigns, for the "use and purpose, benefit and behoof, of the schools of learning in the town of Dorchester." Sales have been made from time to time, and a part still remains unsold. The proceeds have been invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due January 1, 1901, four per cent. per annum . . .	\$3,000 00
One due January 1, 1901, four per cent. per annum . . .	2,000 00
One due January 1, 1903, four per cent. per annum . . .	1,000 00
One due October 1, 1905, six per cent. per annum . . .	1,000 00
One due April 1, 1908, five per cent. per annum . . .	5,000 00
One due April 1, 1908, five per cent. per annum . . .	1,000 00
One due April 1, 1915, four per cent. per annum . . .	2,500 00

Carried forward,

\$15,500 00

<i>Brought forward,</i>	\$15,500 00
One due October 1, 1920, four per cent. per annum . . .	2,000 00
One due October 1, 1920, four per cent. per annum . . .	1,000 00
One due October 1, 1923, four per cent. per annum . . .	425 00
Cash in City Treasury	79

\$18,925 79

LATIN SCHOOL PRIZE FUND.— This is a donation from a number of gentlemen in Boston, in the year 1819, the interest of which is invested in prizes, which are annually distributed among the most deserving scholars in the PUBLIC LATIN SCHOOL.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1906, interest at six per cent. per annum . . . \$1,050 00

LAWRENCE HIGH SCHOOL FUND.— This is a donation made by ABBOTT LAWRENCE, of Boston, in the year 1844, the interest of which is payable annually to the Sub-Committee of the ENGLISH HIGH SCHOOL, for the time being ; and is by them distributed in prizes for the best performance in various branches of literature and science in that institution ; and in such other rewards to the scholars in the school as that committee shall recommend.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1906, interest at six per cent. per annum . . . \$2,000 00

LAWRENCE LATIN SCHOOL FUND.— This is a donation made by ABBOTT LAWRENCE, in the year 1845, the interest of which is payable annually to the "Chairman of the Sub-Committee of PUBLIC LATIN SCHOOL, for the time being," and is distributed in prizes for the general encouragement of the scholars in such a way as the sub-committee of that school shall consider advisable.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1906, interest at six per cent. per annum . . . \$2,000 00

MILMORE BRIMMER SCHOOL FUND.— Bequest of MARTIN MILMORE, the income from which to aid in clothing the poor children of the Brimmer School.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1914, interest at four per cent. per annum . . . \$500 00

NORCROSS SCHOOL LIBRARY FUND.— Donation and bequest of OTIS NORCROSS, formerly Mayor of Boston. The income from this fund is to be paid to the master of the "Norcross School," to be expended in books for a library of the first class of said school. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1897, five per cent. per annum . . .	\$500 00
One due October 1, 1902, four per cent. per annum . . .	500 00
	<u>\$1,000 00</u>

SAWYER, HORACE MANN SCHOOL FUND.— Bequest of SAMUEL E. SAWYER for the benefit of the "Horace Mann School for Deaf and Dumb," on condition that the sum be safely invested as a permanent fund, and the income only of said sum be used in such manner as will best promote the interests and prosperity of the institution. Accepted by City Council by order approved November 30, 1895.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1916, interest at four per cent. per annum	\$2,000 00
Cash in City Treasury, received April 21, 1896	213 94
	<u>\$2,213 94</u>

SMITH SCHOOL FUND.—This was a legacy of ABIEL SMITH of Boston, who died in 1817, to the SELECTMEN OF THE TOWN OF BOSTON for the time being.

The income from this fund is appropriated towards the expense of "the Free Instruction of COLORED CHILDREN in Reading, Writing, and Arithmetic." Invested in certificates of indebtedness of City of Boston, bearing interest, and maturing as follows :

One due April 1, 1900, five per cent. per annum	\$4,000 00
One due July 1, 1919, four per cent. per annum	200 00
One due April 1, 1915, four per cent. per annum	4,400 00
	<u>\$8,600 00</u>

STOUGHTON SCHOOL FUND.—This is a bequest of Gov. WILLIAM STOUGHTON, who died at Dorchester, July 7, 1701, and gave to the schools of Dorchester one hundred and fifty pounds, "for the advancement of a salary of a school-master."

The terms of this bequest were complied with by the authorities of the Town of Dorchester. This fund was received from the Treasurer of the Town of Dorchester by the terms of the act of annexation of said town to Boston, and stands as follows :

Invested in one certificate of indebtedness of City of Boston, due April 1, 1915, interest at four per cent. per annum	<u>\$5,300 00</u>
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The income of the fund is paid to the City Treasurer, and credited annually to salaries of school instructors.

WEBB FRANKLIN SCHOOL FUND.—This is a legacy made in the year 1828, by RUFUS WEBB, formerly writing-master in one of the public schools.

The income from this fund is applied to the purchase of books, etc., for the use of indigent scholars in the writing department of the Franklin School.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1905, interest at six per cent. per annum	<u>\$1,000 00</u>
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ROBERT C. WINTHROP FUND.—Bequest of ROBERT C. WINTHROP, given in and by his will to the library of the Boston Public Latin School, to be disposed of according to vote of the School Committee of the City of Boston.

Amount February 1, 1896	\$221 00
Expended	111 04
	<u>\$109 96</u>
Amount February 1, 1897	<u>\$109 96</u>
Total School Funds in the Custody of the City Treasurer	<u>\$58,699 69</u>

RECAPITULATION OF TRUST FUNDS IN CUSTODY OF CITY TREASURER.

Babcock Music	\$3,000 00
City Hospital	49,500 00
Dorchester South Cemetery	400 00
Evergreen Cemetery	3,300 00
	<u>\$56,200 00</u>
<i>Carried forward,</i>	

<i>Brought forward,</i>	\$56,200 00
Foss Seventeenth of June, and Flag	4,000 00
Franklin Trades School	347,980 94
George B. Hyde	13,666 97
Mount Hope Cemetery	52,972 07
Phillips Street	20,000 00
Police Charitable	207,550 00
Poor Widows'	3,200 00
Public Library	205,444 69
George L. Randidge	50,000 00
Sawyer, Marcella-street Home	2,213 94
School	58,699 69
Total	<u>\$1,021,928 30</u>



ANNUAL REPORT
OF THE
WATER COMMISSIONER
FOR THE YEAR 1896-7.

OFFICE OF THE WATER COMMISSIONER,
CITY HALL, BOSTON, Feb. 1, 1897.

HON. JOSIAH QUINCY, *Mayor* :

SIR: I submit the report of the doings of the Water Department for the year ending Jan. 31, 1897.

The financial condition of the department is satisfactory, the income showing an increase over last year, and the net debt a marked decrease. The stock on hand has increased \$37,000 worth during the year.

The work accomplished by the department, as a whole, has been excellent. The miles of pipe laid — thirty-five and four-tenths — is the largest in the history of the department. The work connected with a large portion of it was of a difficult nature, owing to its being laid in the heart of the city.

The most expensive work that the department does is the taking up of old pipe and the laying of new in its place, the replacing of old gates with new ones, and the making of special connections. More of this work has been done than in years past, especially of relaying. The amount of pipe relaid was eight and six-tenths miles.

Notwithstanding that the department has been compelled to meet some extraordinary expenses — such as placing a

new electric plant in the Chestnut-Hill Pumping Station; new machinery; selling a large number of the horses of the department, that were absolutely unfit for service and purchasing new horses in their places; rebuilding of the Eastern Division stable, which was unsafe and unhealthy; repairing the water tower at Orient Heights; re-establishment of a system of Deacon meter and waste inspection; the relaying of miles of old pipe, etc.—the expenses of the department have been smaller than last year, and in proportion to the work accomplished will compare more than favorably with previous years.

The daily consumption of water has increased far more than was warranted by the increase in population. The Deacon Meter system demonstrates that a lack of proper care and inspection of household fixtures is responsible to a great extent for this increase. If the work of the Waste Inspection division is properly done, there is no reason why the consumption cannot be reduced.

Last summer was an exceptionally dry one, and the supply of water in the basins was the lowest in many years. It was found necessary to inspect all fixtures and send emergency notices to water-takers. This resulted in a marked decrease in the consumption of water, followed by an increased consumption when the rain came and the public realized that there was no immediate danger of a water famine.

The height of the water in the storage basins at the present time is very low, and, if the rainfall of the coming year should be less than normal, there is still great danger of exhausting our water supply. In anticipation of this measures have been taken to meet such a difficulty by raising Whitehall pond two feet, thus increasing its storage capacity four hundred million gallons; also by the action of the Metropolitan Water Board, who have arranged to store fifteen hundred million gallons in the partially constructed basin, No. 5. This increased storage in Whitehall pond and Basin 5 will give us a sufficient supply of water to meet all but extraordinary emergencies.

PLACING THE DEPARTMENT ON A PERMANENT BASIS.

The method pursued heretofore has been to partially suspend a large number of the working force for a portion of the year. With your approval, the whole force has been permanently employed this year. The results have been satisfactory, and the money expended in maintaining the department on a permanent basis has been well spent.

METERS.

The use of meters has not been extended, partially because of lack of appropriation.

ORGANIZATION.

The general organization of the department has been changed very materially. The Mystic division has been consolidated with the Eastern, and as the department is now constituted it consists of two divisions, the Eastern and the Western.

The system of keeping the general accounts has also been changed, and a different method of reporting on the work and its cost has been established, resulting in more correctness.

The new methods have been applied to the Cochituate branch of the Water Department — Districts 1, 2, and 3. They have worked so satisfactorily that next year the same methods will be used in District 4 (formerly the Mystic Division) and in the Meter Department.

I am of the opinion that the work that *must* be done during the coming year will be larger than last year. There will be a great deal of relaying of old pipe in our business sections, as the pipe laid there years ago is in a more or less dangerous condition and requires to be changed as a matter of safety and also on account of the repaving of important thoroughfares by the Street Department. The demands made for increased fire protection, brought about by the height and size of our new buildings, will also necessitate an increase in the capacity of our low, and the extension of our high, service mains. This relaying and extension of service mains is necessary and should be done. It means, however, a large expenditure of money.

The receipts and disbursements of the department for the year were as follows:

Total receipts of the Water-Works, from all sources, for the year ending Jan. 31, 1897:

Income from sales of water	\$2,437,320 76	
Income from shutting off and letting on water, and fees	6,155 53	
Elevator, fire and service pipes, sale of old materials, etc.	54,826 10	
Total receipts	\$2,498,302 39	
Less refunded water rates	1,666 06	
Net receipts		\$2,496,636 33

Total expenditures of the Water-Works, from revenue, for the year ending Jan. 31, 1897:

¹ Current expenses	\$591,550 42
Interest on funded debt	878,379 98
Sinking-fund requirement, 1895-96	194,740 00
² Extension of mains, etc.	232,142 98
Amount paid Chelsea, Somerville and Everett, under contracts	172,527 82
Damages for maintaining Mystic sewer filtering beds, ...	11,666 00
Balance to general revenue account of city	415,629 13
	<u>\$2,496,636 33</u>

COST OF CONSTRUCTION, AND CONDITION OF THE WATER DEBT.

Cost of construction of Water-Works to Feb. 1, 1896	\$26,856,002 82
Cost of construction of Water-Works to Feb. 1, 1897	26,414,817 32

³ Decrease during the year	<u>\$441,185 50</u>
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Stock on hand Feb. 1, 1896	\$62,268 85
Stock on hand Feb. 1, 1897	99,885 22

Increase during the year	<u>\$37,616 37</u>
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The outstanding Water Loans Feb. 1, 1896, were	\$18,261,273 98
The outstanding Water Loans Feb. 1, 1897, were	18,261,273 98
Nothing issued during the year.	

The Water Sinking-Fund Feb. 1, 1896, was	\$9,099,966 39
The Water Sinking-Fund Feb. 1, 1897, was	49,704,387 99

Increase during the year	<u>\$604,421 60</u>
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Net Water Debt Feb. 1, 1896	\$9,161,307 59
Net Water Debt Feb. 1, 1897	8,556,885 99

Decrease during the year	<u>\$604,421 60</u>
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SUMMARY OF COST OF WORKS TO FEB. 1, 1897.

Cochituate supply:

Lake Cochituate	\$291,838 35
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<i>Amount carried forward</i>	<u>\$291,838 35</u>
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¹ The total amount of current expenses was really \$617,566.53, the \$26,016.11 representing stock used this year and purchased or paid for in previous years.

² See details on page 11.

³ Decrease due to crediting amounts paid by the State on account of taking by Metropolitan Water Board, \$1,118,975.74.

⁴ Consisting of investments (city of Boston bonds) \$9,262,740.00 and cash to the amount of \$441,647.99.

<i>Amount brought forward</i>	.	\$291,838	35	
Compensating reservoirs	.	66,859	80	
Land and water damages	.	248,827	34	
Engineering expenses to Jan.				
1, 1852	.	40,000	00	
Cochituate aqueduct	.	1,068,425	24	
				\$1,715,950 73

Sudbury supply:

Reservoir No. 1	.	\$257,143	81	
" " 2	.	465,954	11	
" " 3	.	419,402	72	
" " 4	.	813,846	38	
" " 5, to date	.	1,107,461	33	
" " 6	.	911,752	33	
Whitehall pond	.	305,209	55	
Cedar swamp	.	33,599	21	
Work about Farm pond	.	17,297	94	
Roadway in Framingham	.	23,947	32	
Land damages, not otherwise specified	.	342,846	38	
Water damages	.	559,190	64	
Temporary connection with Lake Cochituate	.	75,611	73	
Investigations of Shawshine and Charles rivers, etc.	.	27,646	59	
Protection of supplies	.	352,933	11	
Engineering and engineering expenses	.	300,371	22	
Office expenses, travelling, etc.,	.	80,594	74	
Miscellaneous	.	40,238	76	
Conduit and connections at Chestnut-hill Reservoir	.	3,082,661	95	
				9,217,709 82

Distributing reservoirs and distribution:

Brookline reservoir	.	\$200,077	21	
Beacon-hill " (net cost)	.	363,533	21	
Chestnut-hill "	.	2,277,042	93	
South Boston "	.	90,908	10	
East " "	.	66,103	09	
Parker-hill "	.	205,793	81	
Fisher-hill "	.	191,135	35	
Roxbury high service	.	103,829	53	
Brighton " "	.	7,745	00	
East Boston high service	.	30,208	12	
West Roxbury high service	.	22,346	56	
Chestnut-hill pumping-station,	.	525,195	46	

Amounts carried forward, \$4,083,918 37 \$10,933,660 55

<i>Amounts brought forward,</i>	\$4,083,918	37	\$10,933,660	55
Jamaica-pond aqueduct	88,417	20		
Pipe-yards and buildings	94,832	16		
Engineering expenses	57,873	58		
Distribution	10,468,774	48		
			<u>14,793,815</u>	<u>79</u>

Total cost of Sudbury and Cochituate Works, \$25,727,476 34

Cost of Mystic Works to Feb. 1, 1897 :

Land damages	\$153,211	63		
Dam	\$17,167	26		
Grubbing at lake	9,393	26		
Lowering Mystic river, ...	3,012	06		
			<u>29,572</u>	<u>58</u>
Conduit			129,714	30
Engine-house	\$83,388	75		
Engines	213,834	72		
			<u>297,223</u>	<u>47</u>
Reservoir			141,856	26
Distribution			874,863	58
Buildings			18,603	05
Engineering, inspection and salaries			53,216	27
Mystic-valley sewer			83,608	70
Miscellaneous			24,446	88
Total cost of Mystic Works, ...			<u>1,806,316</u>	<u>72</u>
Total cost of combined supplies			\$27,533,793	06
Credit by amount received from the State on account of taking (Jan. 4, 1896.)			1,118,975	74
			<u>\$26,414,817</u>	<u>32</u>

The outstanding Water Loans on this date, Feb. 1, 1897, are as follows :

Loans.	Date of Maturity.	Amount.
6 per cent Currency, Due Dec., 1897		\$500,000 00
6 " " " " " June, 1898		450,000 00
6 " " " " " Oct., 1898		540,000 00
6 " " " " " April, 1899		250,000 00
6 " " " " " Jan., 1901		625,000 00
6 " " " " " April, 1901		688,000 00
6 " " " " " July, 1901		330,000 00
6 " " " " " July, 1902		100,000 00
5 " " Sterling Loan, (£399,500), " Oct., 1902		1,947,273 98
6 " " Currency, " April, 1903		905,000 00
6 " " " " " Jan., 1904		8,000 00
6 " " " " " April, 1904		38,000 00
Carried forward		<u>\$6,381,273 98</u>

Loans.		Date of	Amount.
<i>Brought forward,</i>		Maturity.	
6	per cent Currency,	Due Jan., 1905 . . .	\$6,381,273 98
6	" " "	" April, 1905 . . .	161,000 00
6	" " "	" July, 1905 . . .	142,700 00
6	" " "	" Oct., 1905 . . .	44,000 00
5	" " Gold Loan,	" Oct., 1905 . . .	6,000 00
6	" " Currency,	" Jan., 1906 . . .	1,000,000 00
6	" " "	" April, 1906 . . .	82,550 00
5	" " Gold Loan,	" April, 1906 . . .	8,750 00
5	" " "	" Oct., 1906 . . .	552,000 00
6	" " Currency,	" Oct., 1906 . . .	2,000,000 00
6	" " "	" Jan., 1907 . . .	4,000 00
6	" " "	" April, 1907 . . .	8,000 00
6	" " "	" July, 1907 . . .	5,000 00
5	" " Currency Loan,	" Oct., 1907 . . .	1,000 00
5	" " "	" April, 1908 . . .	12,000 00
4	" " "	" April, 1908 . . .	588,000 00
4	" " Loan,	" July, 1909 . . .	82,000 00
4 $\frac{1}{2}$	" " "	" Oct., 1909 . . .	268,000 00
4	" " "	" April, 1910 . . .	280,000 00
4	" " "	" April, 1912 . . .	324,000 00
4	" " "	" July, 1913 . . .	111,000 00
4	" " "	" Oct., 1913 . . .	336,000 00
4	" " "	" Jan., 1914 . . .	466,000 00
4	" " "	" April, 1914 . . .	18,500 00
4	" " "	" Oct., 1914 . . .	16,000 00
4	" " "	" Jan., 1915 . . .	50,000 00
3 $\frac{1}{2}$	" " "	" April, 1915 . . .	50,000 00
4	" " "	" April, 1915 . . .	145,700 00
3 $\frac{1}{2}$	" " "	" Oct., 1915 . . .	50,000 00
4	" " "	" Oct., 1915 . . .	23,000 00
3 $\frac{1}{2}$	" " "	" Jan., 1916 . . .	100,000 00
4	" " "	" Jan., 1916 . . .	58,000 00
4	" " "	" April, 1916 . . .	128,500 00
3 $\frac{1}{2}$	" " "	" July, 1916 . . .	75,000 00
3 $\frac{1}{2}$	" " "	" Oct., 1916 . . .	25,000 00
4	" " "	" Oct., 1916 . . .	286,300 00
4	" " "	" Jan., 1917 . . .	21,000 00
3	" " "	" April, 1917 . . .	200,000 00
3 $\frac{1}{2}$	" " "	" April, 1917 . . .	275,000 00
4	" " "	" April, 1917 . . .	161,000 00
4	" " "	" July, 1917 . . .	7,000 00
4	" " "	" Oct., 1917 . . .	160,700 00
4	" " "	" Jan., 1918 . . .	20,000 00
4	" " "	" April, 1918 . . .	6,300 00
3 $\frac{1}{2}$	" " "	" July, 1918 . . .	100,000 00
4	" " "	" Oct., 1918 . . .	100,000 00
4	" " "	" April, 1919 . . .	200,000 00
3 $\frac{1}{2}$	" " "	" Oct., 1919 . . .	145,000 00
4	" " "	" Oct., 1919 . . .	300,000 00
3 $\frac{1}{2}$	" " "	" Nov., 1919 . . .	130,000 00
3 $\frac{1}{2}$	" " "	" Jan., 1920 . . .	220,000 00
4	" " "	" Oct., 1920 . . .	384,000 00
4	" " "	" April, 1921 . . .	100,000 00
4	" " "	" Oct., 1921 . . .	162,500 00
4	" " "	" Jan., 1922 . . .	100,000 00
4	" " "	" April, 1922 . . .	75,000 00
4	" " "	" Oct., 1922 . . .	283,000 00
4	" " "	" Oct., 1923 . . .	576,275 00
4	" " "	" Oct., 1924 . . .	644,225 00

Total \$18,261,273 98

Cochituate Water Debt, Gross and Net,

At the Close of Each Fiscal Year.

Fiscal Year.	Gross Debt.	Sinking-Funds.	Net Debt.
1847-48	\$2,129,056 32 ¹	.....	\$2,129,056 32
1848-49	3,787,328 98	.....	3,787,328 98
1849-50	4,463,205 56	.....	4,463,205 56
1850-51	4,955,613 51	.....	4,955,613 51
1851-52	5,209,223 26	.....	5,209,223 26
1852-53	5,972,976 11	.....	5,972,976 11
1853-54	5,432,261 11	.....	5,432,261 11
1854-55	5,403,961 11	.....	5,403,961 11
1855-56	5,230,961 11	.....	5,230,961 11
1856-57	5,031,961 11	.....	5,031,961 11
1857-58	4,724,961 11	.....	4,724,961 11
1858-59	4,754,461 11	.....	4,754,461 11
1859-60	3,846,211 11	.....	3,846,211 11
1860-61	3,455,211 11	.....	3,455,211 11
1861-62	3,012,711 11	.....	3,012,711 11
1862-63	2,992,711 11	.....	2,992,711 11
1863-64	2,992,711 11	.....	2,992,711 11
1864-65	2,942,711 11	.....	2,942,711 11
1865-66	3,152,711 11	.....	3,152,711 11
1866-67	3,370,711 11	.....	3,370,711 11
1867-68	3,867,711 11	.....	3,867,711 11
1868-69	5,107,711 11	.....	5,107,711 11
1869-70	5,731,711 11	.....	5,731,711 11
1870-71	6,482,711 11	\$1,100,000 00	5,382,711 11
1871-72	6,812,711 11	1,185,049 67	5,627,661 44
1872-73	6,912,711 11	1,268,234 97	5,644,476 14
1873-74	7,863,711 11	1,372,953 62	6,490,757 49
1874-75	8,123,711 11	1,533,890 28	6,589,820 83
1875-76	9,735,711 11	1,560,917 83	8,174,793 28
1876-77	11,548,711 11	1,709,492 60	9,839,218 51
1877-78	11,545,273 98	2,043,764 73	9,501,509 25
1878-79	11,753,273 98	2,143,847 85	9,609,426 13
1879-80	11,697,273 98	1,771,692 92	9,925,581 06
1880-81	11,631,273 98	1,989,300 88	9,641,973 10
1881-82	11,631,273 98	2,281,857 89	9,349,416 09
1882-83	11,955,273 98	2,607,768 46	9,347,505 52
1883-84	12,882,273 98	2,746,505 58	10,135,768 40
1884-85	13,045,473 98	3,106,323 82	9,939,150 16
1885-86	13,491,473 98	3,385,201 26	10,106,272 72
1886-87	14,142,273 98	3,947,616 92	10,194,657 06
1887-88	14,741,273 98	4,373,304 09	10,367,969 89
1888-89	14,941,273 98	4,864,092 54	10,077,181 44
1889-90	15,696,273 98	5,440,819 47	10,255,454 51
1890-91	16,267,773 98	5,979,297 80	10,288,476 18
1891-92	16,423,773 98	6,471,545 34	9,952,228 64
1892-93	16,758,773 98	7,019,058 38	9,739,715 60
1893-94	17,055,273 98	7,649,504 87	9,405,769 11
1894-95	17,761,273 98	8,444,773 55	9,316,500 43
1895-96	18,261,273 98	9,099,966 39	9,161,307 59
1896-97	18,261,273 98	9,704,387 99	8,556,885 99

¹ No account taken of amounts borrowed temporarily from 1846 to 1852 and afterwards funded by the issue of the water bonds that figure in this statement.

Cochituate Water Sinking-Fund Receipts.

[SINCE THE ESTABLISHMENT OF THE BOARD OF SINKING-FUND COMMISSIONERS IN 1871.]

YEAR.	From Tax Levy or City Income.	Interest on Investments.	Interest on Bank Deposits.	Water- Rates, etc.	Premiums on Loans.	Other Sources.	Totals.
1871. April 30, received from Committee on Re- duction of Debt.....	\$1,100,000 00	.....	.....	.....	.....	.....	\$1,100,000 00
1871-72.....	14,325 00	.....	.....	.....	.....	.....	85,049 67
1872-73.....	9,375 00	\$61,000 00	\$349 67	.....	.....	.....	80,155 30
1873-74.....	9,000 00	70,137 50	1,017 80	.....	.....	.....	108,362 25
1874-75.....	30,090 00	76,799 60	2,072 65	.....	.....	.....	160,936 66
1875-76.....	75,973 28	82,842 25	2,121 13	.....	.....	.....	155,027 55
1876-77.....	65,554 00	85,470 00	3,617 55	.....	.....	\$386 00	352,574 77
1877-78.....	234,814 00	86,245 66	4,119 47	\$26,480 18	.....	915 46	338,240 08
1878-79.....	214,500 00	85,830 85	10,809 31	27,099 92	.....	9,874 21	493,971 87
1879-80.....	207,456 00	95,264 49	6,181 26	177,195 91	.....	4,411 64	815,278 92
1880-81.....	.....	90,472 42	5,687 62	214,707 24	.....	1,762 04	284,058 26
1881-82.....	.....	86,460 00	167 32	195,668 90	.....	494 08	293,648 69
1882-83.....	.....	96,546 35	2,767 90	193,840 36	.....	1,241 04	331,438 60
1883-84.....	.....	105,129 51	8,486 33	216,581 72	.....	.....	141,362 12
1884-85.....	973 00	138,120 90	2,268 22	.....	.....	.....	359,818 24
1885-86.....	.....	143,049 45	7,510 40	209,258 39	.....	.....	283,069 71
1886-87.....	.....	156,694 01	5,804 31	120,129 12	.....	442 27	562,415 66
1887-88.....	75,496 00	181,264 89	2,644 70	297,928 95	.....	5,081 12	425,682 17
1888-89.....	.....	199,883 90	4,178 16	221,620 11	.....	.....	489,572 98
1889-90.....	.....	213,048 22	8,958 69	256,013 57	\$11,552 50	.....	576,726 93
1890-91.....	.....	228,000 83	11,730 60	300,903 00	36,092 50	.....	538,478 33
1891-92.....	.....	229,509 17	29,763 94	242,675 22	36,530 00	.....	552,247 54
1892-93.....	.....	175,808 33	22,560 16	275,014 05	.....	78,865 00	547,503 04
1893-94.....	.....	260,506 20	30,148 34	240,435 00	16,413 50	.....	630,446 49
1894-95.....	.....	298,224 44	18,133 03	299,467 27	14,621 75	.....	638,268 68
1895-96.....	.....	312,332 05	18,524 22	297,518 29	.....	9,894 12	655,192 84
1896-97.....	.....	378,819 55	5,892 29	205,791 00	64,690 00	.....	604,421 60
.....	.....	403,840 02	5,225 08	194,740 00	.....	616 50	.....
Taxes,	\$2,037,556 28	\$1,339,300 59	\$220,740 15	\$4,213,068 20	\$179,900 25	\$113,983 48	\$11,104,548 95

DETAILED EXPENDITURES UNDER THE SEVERAL
APPROPRIATIONS.

FEBRUARY DRAFT, 1896, to FEBRUARY DRAFT, 1897.

Extension of Mains, etc. (from Revenue.)

Labor	\$90,221 68	
Teaming	4,456 32	
Blasting	4,062 55	
Travelling expenses	1,213 00	
Water-pipes, contracts (including inspection, \$977.50)	79,026 34	
Stock	51,190 99	
Miscellaneous contracts	1,972 10	
		\$232,142 98

From the above amount of \$232,142.98 should be deducted \$2,528.11, which is due the Water Department from outside corporations for work performed on their account during the year, leaving the actual amount of expenditure for Extension of Mains \$229,614.87.

¹ *Mystic Water - Works, Land, Etc.*

Labor	\$325 00	
Miscellaneous	50 00	
		\$375 00

MAINTENANCE ACCOUNTS ².

(FROM REVENUE.)

FEBRUARY DRAFT, 1896, TO FEBRUARY DRAFT, 1897.

Salaries, travelling expenses, printing, stationery, advertising, postage and miscellaneous, on account of office	\$29,345 34	
Salaries and labor, travelling expenses, printing, stationery and miscellaneous, on account of Income Division	85,892 33	
Salaries, travelling expenses and transportation of men, printing, stationery and miscellaneous, on account of Eastern Division	35,279 34	
Salaries, travelling expenses, printing, stationery and miscellaneous, on account of Western Division	14,079 94	
Engineering	14,270 41	
New meters, and setting	10,166 88	
<i>Amount carried forward</i>	<i>\$189,034 24</i>	

¹ Of the sum of \$65,000.00 appropriated in 1895, the amount of \$60,981.25 was expended during the year 1895-96. Balance remaining at this date, \$3,643.75.

² Cochituate and Mystic accounts consolidated.

<i>Amount brought forward</i>	\$189,034 24
Meters, repairing	14,668 95
Machine shop, Albany street	15,926 15
Mystic repair shop	3,481 80
Telephones	2,401 89
Cochituate Aqueduct	3,795 70
Sudbury Aqueduct	8,737 16
Mystic Aqueduct	1,618 18
Main-pipe relaying (including stock and labor)	26,899 67
“ repairing “ “ “ “	22,741 44
Hydrants “ “ “ “ “	30,453 05
Stop cocks “ “ “ “ “	5,795 24
Hydrant and stop-cock boxes and repairing (including stock and labor)	2,947 14
Tools and repairing (including stock and labor)	7,087 49
Streets “ “ “ “ “	8,905 22
Fountains “ “ “ “ “	2,792 73
Stables “ “ “ “ “	25,746 38
Waste detection	14,078 58
Basins, Framingham and Ashland (including stock and labor)	14,334 05
Service pipe repairing (including stock and labor)	30,412 46
Protection of supplies	12,294 72
High service, Chestnut Hill (including fuel, salaries, repairs, etc.)	38,517 64
High service, East Boston (including fuel, salaries, repairs, etc.)	4,876 28
High service, West Roxbury (including fuel, salaries, repairs, etc.)	5,626 86
Mystic pumping service (including fuel, salaries, repairs, etc.)	39,034 60
Electrolysis	605 23
Harbor service	1,476 87
Temporary high service, Elm Hill	3,114 92
Albany-street yard	7,151 07
Chestnut-hill reservoir (care of grounds, etc.)	16,168 69
Parker-hill reservoir	1,270 42
Brookline reservoir	1,697 85
East Boston and South Boston reservoirs	548 49
Fisher-hill reservoir	2,566 45
Mystic reservoir	6,699 11
Lake Cochituate	3,365 30
Mystic lake	11,545 40
Chestnut-hill driveway (including stable)	11,079 78
Taxes	3,420 88
Damages	3,414 36
Analyses of water, etc.	350 95

Amount carried forward \$606,683 39

<i>Amount brought forward</i>	\$606,683 39
Biological Laboratory	4,403 72
Natick filters	4,312 99
	\$615,400 10
Mystic pumping engine No. 4, balance (total, \$66,738.02)	1,197 01
Addition to Mystic pumping station, balance (total, \$10,548.33)	969 42
	\$617,566 53

From the amount of the Maintenance expenditure, \$617,566.53, should be deducted \$14,838.03, which is due the Water Department from outside corporations for work performed on their account during the year, leaving the actual expenditure on account of maintenance \$602,728.50.

Additional Supply of Water¹ (from Loans).

(Account of Basin 5, Whitehall pond, Cedar swamp, Filter beds at Basin 6, and protection of supply.)

Salaries and labor	\$16,736 82
Engineering and supplies	845 43
Materials	1,317 48
Teaming	1,983 74
Freight and express	152 92
Travelling expenses	375 15
Printing and postage	139 19
Land damages	243,164 20
Miscellaneous	371 87
Town of Natick, towards sewerage system	18,000 00
Retainers and expenses in connection with taking of works by the Metropolitan Water Board	4,955 83
	\$288,042 63

(Account of New High-Service Main, Main-Pipe Laying, and High Service, Chestnut Hill.)

Labor	\$101,067 36
Engineering	889 49
Materials	40,620 38
Teaming	2,528 15
Blasting	5,387 88
Travelling expenses	4,515 50
Advertising and miscellaneous	171 16

<i>Amounts carried forward</i>	\$155,179 92	\$288,042 63
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¹ The appropriations made for additional supply of Water are authorized under Chapter 177, Acts of 1872.

<i>Amounts brought forward</i>	\$155,179 92	\$288,042 63
Miscellaneous contracts	2,175 00	
Contract, pipes and specials (including inspection, \$241.66)	41,337 41	
Contract, laying 48-inch main in Brookline, balance (total, \$17,379.03)	2,469 12	
Contract, laying 4 inch pipe between Long and Rainsford Islands, balance (total, \$11,406.41)	3,016 91	
Contract, laying 4-inch pipe across Shirley Gut	3,650 00	
Contract, laying and burying pipe between Squantum and Thompson Island	1,430 00	
Contract, laying pipes in Boston, Dorchester and Telegraph streets, South Boston, and Dorchester avenue and Adams street, Dorchester (on account)	5,853 35	
Contract, laying pipes in Border street, East Boston (on account),	1,785 00	
Contract, laying pipes in Blue Hill avenue, Dorchester (on account),	1,798 97	
		218,695 68
		<u><u>\$506,738 31</u></u>

Contracts Made and Pending during Year commencing Feb. 1, 1896, and ending Jan. 31, 1897.

Contracts marked thus (*) are completed. Amounts marked thus (†) are for extra work.

WATER DEPARTMENT.

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DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1896.	Total.
1893.						
* Dec. 30,	{ George F. Blake Manu- facturing Co..... }	Mystic Pumping Engine, No. 4.....	\$38,950.....	\$38,450 00 † 118 81	\$500 00	\$39,068 81
1894.						
* Oct. 30,	Mack & Moore.....	Addition to Mystic Pumping Station.....	\$10,900 (estimated).....	10,917 91	429 42	11,347 43
1895.						
* Mar. 7,	Charles E. Howe.....	Teaming water-pipes, etc.....	{ 48 cents per ton, 2½ miles..... } { 85 " " " over 2½ miles.. }	7,111 22	378 88	7,490 10
* " 8,	{ Mechanics Iron Foun- dry Co..... }	{ Iron and service-box castings, estimated, viz.: } { (450,000 lbs. iron, 250,000 lbs. service-box).... }	.01 and 4-10 cents per lb.....	9,757 10	4,318 27	14,075 37
* " 8,	Stephen Anderson.....	Brass and Composition Castings: — viz.: — No. 1, 8,000 lbs. } Estimated..... " 2, 25,000 " } " 3, 6,000 " }	{ 13 and 46-100 cents per lb..... } { 12 " 47½-100 " " " " " } { 10 " " " " " " " " }	3,691 20	1,191 85	4,883 05
* June 6,	Dennis F. O'Connell.....	Laying 48-inch main pipe through Brookline.....	\$21,291 (estimated).....	14,909 91	2,469 12	17,379 03
* " 12,	Perkins & White.....	{ Laying 2,400 linear feet, 4-inch flexible joint } { pipe between Long and Rainsford Islands.. }	\$4.75 per foot.....	6,035 00	5,371 41	11,406 41
" 27,	L. M. Ham & Co.	{ Iron Stairway at "Echo Bridge," Newton } { Upper Falls..... }	\$600.			
July 17,	{ George F. Blake Manu- facturing Co..... }	{ Additional hand-rails stanchions, etc., around } { pit at Mystic Pumping-Station..... }	\$95.75.			
* Aug. 16,	Wilkinson and Feldman.	Electric-wiring at Mystic Pumping Station.....	\$475.....	253 50	221 50	475 00

* " 17,	Hancock Inspirator Co.	{ Furnishing 36 spare valves and seats for } { Mystic Pumping-engine No. 4... }	\$9.85 each.....	354 60	354 60
* " 26,	E. J. Bowes.....	Blasting Wait street, Roxbury.....	\$5.90 per cubic yard.....	33 04	33 04
* Dec. 28,	Thomas Burke.....	Blasting Middleton avenue, Dorchester.....	\$4.00 per cubic yard.....	154 80	154 80
* " 28,	{ Warren Foundry and } { Machine Company.. }	{ Furnishing 15 tons special castings for dupli- } { cates in cases of emergency..... }	{ 2½ cents per lb., f. o. b. cars, } { Boston..... }	613 91	613 91
* Jan. 24,	Martin F. Kelley.....	Blasting, Howard avenue, Dorchester.....	\$3.99 per cubic yard.....	19 95	19 95
* " 29,	G. G. Stillman, Agent...	{ Furnishing and erecting complete, one Spencer } { Damper Regulator with all pipes, valves, } { etc., and about 90 ft. brass pipe for Mystic } { Pumping Station.... }	\$120.....	120 00	120 00
* Feb. 14,	{ McNeal Pipe and } { Foundry Company.. }	{ 132 tons 30-in. A pipe..... } { 16 " " Specials..... }	{ On account for the } { Boston Transit } { Commission. } Total con- } tract....\$4,163.77 } Amount } paid by } Boston } Transit } Commiss- } sion....\$3,423.18 }	740 59	740 59
* " 14,	L. G. Burnham & Co....	{ 800 tons George's Creek Cumberland Coal in } { bins at Chestnut Hill Pumping Station..... }	\$3.94 per ton of 2,240 lbs.....	3,400 26	3,400 26
* " 14,	L. G. Burnham & Co....	{ 1,000 tons George's Creek Cumberland Coal in } { bins at Mystic Pumping Station..... }	\$3.63 " " 2,240 lbs.....	3,547 28	3,547 28
* " 20,	Thomas Burke.....	Blasting, Calumet street, Roxbury.....	\$5.00 per cubic yard.....	19 50	19 50
* " 26,	Thomas Burke.....	Blasting, Blue Hill avenue.....	\$2.07 " ".....	145 52	145 25
* Mar. 3,	Martin F. Kelley.....	Blasting, Calumet street, Roxbury.....	\$8.00 " ".....	13 60	13 60
" 5,	{ Mechanics' Iron Foun- } { dry Company..... }	{ Iron and Service Box Castings for year ending } { March 15, 1897, viz.: 800,000 lbs., Iron. } { Increased about 500,000 " " } { 300,000 " Service Box. }	{ Total, 1,800,000 lbs. estimated } { @ 1 and 58-100 cents per lb.... }	28,630 43	28,630 43

Contracts Made and Pending during Year.—Continued.

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1896.	Total.
1896. * Mar. 6,	{ McNeal Pipe and Foundry Company.. }	30-in. and 40-in. curves	{ 2¼ cents per lb. f.o.b. cars. " " " as per pro- posal of April 8, 1896. }	Ordered for and paid for by the Boston Transit Commission.		
* " 6,	Union Iron Works.....	{ Brass and composition castings for year ending March 15, 1897, viz.: 8,000 lbs. No. 1. @ .13 2-5 per lb..... 28,000 " " 2. " 12 2-5 " "..... 6,000 " " 3. " 10c. " "..... }	{ \$5,144 (estimated). Contract abandoned by mutual con- sent, Oct. 6, 1896..... }	.....	\$3,498 90	\$3,498 90
" 9,	Pierce F. Loneragan & Co.	{ Teaming water-pipes, etc., for year ending March 15, 1897..... }	{ 35 cents per ton (short haul) 2½ miles..... 35 cents per ton (long haul), over 2½ miles..... }	.....	3,379 50	3,379 50
* " 16,	Holly Manufacturing Co.	{ Two beams and 2 beam-shafts for Gaskill En- gines at Chestnut-Hill Pumping Station.... }	{ Beams, \$512 64 } \$821 08 Beam shafts, \$208 44 }	.....	821 08	821 08
" 27,	R. D. Wood & Co.:	{ 20 tons 4-inch pipe, B..... 950 " 6 " " B..... 460 " 8 " " B..... 200 " 10 " " B..... 700 " 16 " " B..... 250 " 24 " " A..... 50 " 24 " " B..... 50 " Specials..... }	{ \$20.25 per ton. Estimated \$53,820 00 \$19.80 \$20.25 ..... }	.....		
	(Contract No. 1.).....					
	(Contract No. 2.).....	{ 600 tons 12-inch pipe, A..... 980 " 12 " " B..... 700 " 16 " " B..... 520 " 20 " " B..... 50 " Specials..... }	{ \$19.80 per ton. Estimated, \$56,430 00 }	.....	115,689 71	115,689 71
	Additional.....	{ 200 tons (extra) 20-inch A pipe, ordered for East Boston..... }				

" 31,	Atlantic Works.....	Patterns for iron castings.....	.....	590 00	590 00
" 31,	{ Lockwood Manufact- uring Company..... }	Patterns for iron castings.....	.....	1,203 00	1,203 00
* April 1,	Martin F. Kelley.....	Blasting, Calumet street, Roxbury.....	.....	20 46	20 46
* " 8,	Thomas Burke.....	" Kearsarge avenue, " .....	.....	11 25	11 25
* " 10,	{ McNeal Pipe and Foundry Company. }	Five 12-ft. lengths 40-inch pipe, B.....	{ 36,794 lbs. @ \$23.90 per ton 2,240 lbs..... \$392.58 Less allowance on final estimate under contract of Feb. 14, 1896, 365.48 }	27 10	27 10
* " 17,	Daniel E. Lynch.....	Blasting, Blue Hill avenue (Section 1.).....	.....	808 50	808 50
* " 17,	Daniel E. Lynch.....	{ Excavating and refilling pipe trench in Blue Hill avenue, Roxbury..... }	{ Sheeted trench @ 60 cents per linear foot..... Trench not sheeted @ 30 cents per linear foot..... Earth excavation over rock, 60 cents per cubic yard. Curbing removed, .06 cents per linear foot..... }	1,130 10	1,130 10
* " 17,	Hancock Inspirator Co.....	{ Facing, with rubber, valves on Mystic Pumping engine..... }	2.88 each.....	910 08	910 08
* " 21,	Martin F. Kelley.....	Blasting, Virginia street, Dorchester.....	.....	69 43	69 43
* " 23,	"	" Commonwealth avenue, Brighton.....	\$2.08 " "	360 88	360 88
* " 27,	"	" Calumet street, Roxbury.....	\$3.00 " "	27 60	27 60
* " 27,	Thomas Burke.....	" St. Alphonsus street, Roxbury.....	\$2.28 " "	443 23	443 23
* " 28,	Martin F. Kelley.....	" Abbotford street, Roxbury.....	\$3.00 " "	32 70	32 70
* May 2,	"	" Alpine street, Roxbury.....	\$8.00 " "	12 80	12 80
* " 8,	George W. Townsend....	Laying 8-in. flexible joint pipe across Shirley Gut,	\$4,000 (estimated).....	3,650 00	3,650 00
* " 15,	Martin F. Kelley.....	Blasting, Hartford street, Dorchester.....	\$8.75 per cubic yard.....	15 75	15 75

Contracts Made and Pending during Year. — Continued.

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1896.	Total.
1895.						
* May 16,	Martin F. Kelley.....	Blasting, Phipps avenue, Dorchester.....	\$9.00 per cubic yard.....	.....	\$33 30	\$33 30
* " 19,	{ McNeal Pipe and } { Foundry Company.. }	46 lengths 6-in. pipe.....	{ \$19.50 per ton of 2,000 lbs. de- } { livered on wharf, Albany } street.....	.....	1,751 03	1,751 03
* " 19,	Coffin Valve Company...	Stop Cocks { 50-16-in. @ \$55.00 each..... } { 50-12 " \$38.50 " .....	.....	.....	5,605 00	5,605 00
* " 21,	E. J. Bowes	Blasting, Norfolk street, Dorchester.....	\$8.00 per cubic yard.....	.....	33 60	33 60
* " 21,	Martin F. Kelley.....	" Oakland street, Dorchester.....	\$8.50 " " .....	.....	101 15	101 15
* " 25,	Thomas Burke.....	" Pontiac street, Roxbury.....	\$5.00 " " .....	.....	54 50	54 50
* " 26,	L. G. Burnham & Co.....	{ 1,000 tons Cumberland coal for Mystic Pump- } { ing Station..... }	\$3.66 per ton, 2,240 lbs.....	.....	3,698 70	3,698 70
* June 1,	Martin F. Kelley.....	Blasting, Hollingsworth street, Dorchester.....	\$8.50 per cubic yard.....	.....	99 45	99 45
* " 11,	Richard B. Kelly	" Warren street, Roxbury.....	\$2.25 " " .....	.....	9 68	9 68
" 26,	Dennis F. O'Connell.....	{ Laying pipes in Boston, Dorchester, and Tele- } { graph streets, South Boston, and in Dor- } { chester avenue and Adams street, Dorchester, } { viz.: — 3,900 linear feet, 24-in. @ 87 cents. } { 3,650 " " 16 " 62 "	\$5,656 (estimated).....	.....	451 98 5,801 37	5,853 35
* " 26,	James Dolan.....	Blasting, Blue Hill avenue.....	\$2.00 per cubic yard.....	.....	111 00	111 00
* " 29,	Thomas Burke.....	" Chamblett street, Dorchester.....	\$3.75 " "		15 75	15 75

WATER DEPARTMENT.

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* July 1,	L. G. Burnham & Co.	{ 800 tons Cumberland coal, for Chestnut Hill } Pumping Station.....	\$3.90 per ton, 2,240 lbs.....		3,133 65
* " 3,	James Dolan	Blasting, Astoria street, Dorchester.....	\$3.00 per cubic yard.....	.....	75 60
* " 10,	" McDonald	" Commonwealth avenue, Brighton.....	\$2.30 " " .....	.....	269 33
* " 10,	Richard B. Kelly.....	" Calumet street, Roxbury.....	\$3.00 " " .....	.....	9 00
* " 10,	{ Edison Electric Illumi- } nating Company	{ Installation of Generating set, Chestnut Hill } Pumping Station.....	\$1.775.....	1,775 00	1,775 00
* " 15,	Thomas Burke.....	Blasting, Boylston terrace, West Roxbury	\$7.50 per cubic yard.....	.....	190 50
* " 17,	Richard B. Kelly.....	Blasting, Heath street, Roxbury.....	\$3.75 per cubic yard.....	.....	9 38
* " 18,	Thomas Burke.....	" Columbia street, Dorchester.....	\$9.00 " " .....	.....	17 10
* " 31,	James Dolan.....	" Hollingsworth street, "	\$3.10 " " .....	.....	257 30
* Aug. 3,	Richard B. Kelly.....	" Blue Hill avenue, "	{ This contract was taken from Kelly, Aug. 24, 1896, and the work fin- ished by Thomas Burke, under order of the Water Com- missioner. Burke was paid for work \$250.93.....	{ Paid to Kelly, Paid to Burke, 158 55 } 250 93 }	409 48
* " 7,	Thomas Burke.....	" Rosewood street, "	\$5.00 per cubic yard.....	.....	32 00
* " 21,	"	" Devon street, "	\$8.00 " " .....	.....	22 40
* " 21,	"	" Virginia street, "	\$7.00 " " .....	.....	17 50
* " 25,	"	" F street, South Boston.....	\$8.50 " " .....	.....	17 00
* " 26,	L. G. Burnham & Co.	{ 1,500 tons Cumberland coal delivered in bins } { Mystic Pumping Station.....	\$3.55 per ton, 2,240 lbs.....	.....	5,451 11
* " 27,	Martin J. Connolly	Blasting, Walkhill street, Dorchester.....	\$4.95 " cubic yard.....	.....	20 79

Contracts Made and Pending during the Year. — Continued.

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1896.	Total.
1896.						
* Sept. 2,	Thomas Burke.....	Blasting, Devon street, Dorchester.....	\$3.00 per cubic yard.....	.....	\$180 00	\$180 00
* " 5,	" ".....	" Ballou avenue.....	\$3.80 " ".....	.....	131 10	131 10
* " 5,	E. J. Bowes.....	" Walnut " Roxbury.....	\$6.00 " ".....	.....	20 40	20 40
* " 5,	Perkins & White.....	{ Relaying and burying water-pipes, between } { Squantum and Thompson's Island..... }	{ \$2.75 per linear foot, not } { including rock. In case of } { rock, 15% over cost to them, }	.....	1,430 00	1,430 00
* " 17,	John J. Kelley.....	Blasting, Kilton street, Dorchester.....	\$2.45 per cubic yard.....	.....	127 40	127 40
* " 24,	Patrick Cushing.....	" Cliff street, Roxbury.....	\$3.50 " ".....	.....	126 70	126 70
* " 26,	John McMorrow.....	" Castle Rock street, Dorchester.....	\$3.00 " ".....	.....	405 00	405 00
* Oct. 1,	John J. Kelley.....	" Chestnut square, West Roxbury.....	\$2.15 " ".....	.....	41 61	41 61
* " 2,	French & Bryant.....	" Bynner and Catalpa streets, Roxbury,	{ 60 cents " " including } { back filling..... }	{ N.B. This contract included } { in that made with Thos. L. } { Livermore, Oct. 19, 1896. }		
" 8,	O'Rourke & Nelson.....	{ Laying 2 1/2 ft. 20-inch pipe in Border street, } { East Boston..... }	{ \$1.00 per linear foot..... } { \$1.00 per joint..... }	.....	\$1,785 00	\$1,785 00
* " 10,	Frank C. Jacobs.....	{ Excavating and backfilling pipe trench, Byn- } { ner street, Roxbury..... }	60 cents per cubic yard.....	.....	276 60	276 60
* " 10,	Patrick Cushing.....	Blasting, Fairland street, Roxbury.....	\$4.00 " ".....	.....	51 60	51 60
* " 14,	John J. Kelley.....	" Woodward Park street, Roxbury.....	\$2.64 " ".....	.....	97 68	97 68

* " 14,	" " "	" Hooper avenue, Roxbury.....	\$3.74	" " "	48 99
* " 16,	Thomas Burke.....	" Athelwold street, Dorchester.....	\$3.49	" " "	64 22
* Oct. 16,	Granular Metal Co.....	Composition Castings, viz.:— No. 1. 21 1-10 cents per lb. { " 2. 20 9-10 " " " " 3. 19½ " " "			
" 19,	Thomas L. Livermore....	Blasting, Bynner street, Roxbury.....	\$3.00 per cubic yard.....		999 68
* " 21,	Parrick Cushing.....	" Calumet " "	\$5.00 " " "	16 50	
* " 26,	John J. Kelley.....	" Ritchie " "	\$4.74 " " "	63 52	
" 29,	Thomas Burke.....	" Beach Glen avenue, Roxbury.....	\$4.00 " " "		
" 30,	O'Rourke & Nelson.....	{ Laying 16-inch pipe in Blue Hill avenue, Dor- chester.....	{ 80 cents per linear foot.... \$5.00 per cubic yard for rock excavation above grade.. \$1.00 per cubic yard for earth excavation below grade. \$10.00 per M. ft. for lumber for shoring..... .80 cents each for 16-inch pipe joints.....	1,798 97	1,798 97
* " 31,	R. D. Wood & Company.	25 lengths 36-in. pipe, Class A.....	\$18.60 per ton, 2,000 lbs.. \$1,177 06		
* Nov. 3,	Thomas Burke.....	{ 2 36-in. V-Branches, special design. 1 36-in. x 36-in. 3 Way Branch, two bells.....	@ 3½ cents per lb. f. o. b. cars, { Boston.....\$896 63 }	2,073 69	2,073 69
" 4,	L. G. Burnham & Co.....	Blasting, Morton street, Dorchester.....	@ \$3.75 per cubic yard.....	534 00	534 00
* " 4,	James McDonald.....	{ Furnishing 800 tons Cumberland coal in bins, { Chestnut Hill Pumping Station.....	\$4.15 per ton, 2,240 lbs.....	2,340 60	2,340 60
* " 12,	" " "	Blasting, Rockdale street, Dorchester.....	\$2.98 per cubic yard.....	202 64	202 64
" 16,	James Dolan.....	" Blue Hill avenue, " "	\$1.98 " " "	233 64	233 64
" 16,	" " "	" " " "	\$2.00 " " "	111 00	111 00

Contracts Made and Pending during Year.—*Concluded.*

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1896.	Total.
1897.						
* Nov. 18,	John J. Kelley	Blasting, Winter street, Dorchester, ...	\$9.94 per cubic yard.....	.....	\$187 87	\$187 87
" 21,	Granular Metal Co.	{ Composition Castings to amount of \$2,000 00; } (authority given by Mayor to purchase with- out advertising).....	{ No. 1—21 1-10 cents per lb..... } " 2—20 9-10 " } " 3—19 1/2 " ..... }	.....	1,021 23	1,021 23
" 27,	{ Warren Foundry and } Machine Company.. }	400 tons 12-in. pipe, Class B.....	\$18.40 per ton, f. o. b. cars, Boston	.....		
" 27,	John J. Kelley	Blasting, Arnold street, West Roxbury.	\$2.44 per cubic yard.	.....		
* " 27,	" "	" Woodward Park street, Roxbury... ..	\$5.00 " " .....	.....	41 40	41 40
" 28,	{ Warren Foundry and } Machine Company.. }	30 tons 4-in. B Pipe	{ \$19.40 per ton, 2,000 lbs. f. o. b. } cars, Boston.....	.....		
* Dec. 2,	Martin J. Connolly.....	Blasting, Bellevue and Stanley streets, Dorchester,	\$3.25 per cubic yard.....	{ Withdrawn from contractor Dec. 23, and work given to Thomas Burke, Dec. 26, 1896; fly day work. }		
* " 2,	" "	" Blue Hill avenue, Dorchester.....	\$2.35 " "	{ Withdrawn from contractor Dec. 17, and contract made Dec. 19, 1896, with Thomas Burke to finish the work. }		
" 3,	James Fagan	Alterations on stable, Albany street yard	\$10,242.00	.....		
" 17,	James McDonald.....	Blasting, Harold street, Roxbury.....	\$3.25 per cubic yard.	.....		
" 19,	Thomas Burke.....	" Blue Hill avenue, Dorchester.....	\$2.70 " " .....	.....		

" 22,	{ George H. Stoddard, { Manager.....	Insulating 20-in. main over Cottage Farm Bridge,	\$800.	
" 23,	{ James McDonald.....	Blasting, Wait street, Roxbury.....	\$2.98 per cubic yard.	
1897. Jan. 6,	{ Horatio Wellington & Co. {	{ 1,500 tons Cumberland coal delivered into { bins, Mystic Pumping Station.....	\$3.81 per ton, 2,240 lbs.	
" 11,	{ Thomas Burke.....	Blasting, Centre street, Roxbury.....	\$7.00 per cubic yard.	
" 15,	{ Patrick Cushing.....	" Rockledge street, Roxbury..	\$4.50 " "	
" 20,	{ Camden Iron Works, { Philadelphia, Pa.....	{ 275 Tons 8-in. "B" pipe..... 800 " 12-in. "B" "..... 240 " 16-in. "A" "..... 540 " 24-in. "B" "..... 505 " 30-in. "B" "..... 625 " 36-in. "A" "..... 2,985 " 50 " Specials.....	{ \$17.38 per ton, { estimated, 2,000 lbs. { \$52,748 30 }	
" 20,	{ McNeal Pipe and { Foundry Co., Burling- { ton, N. J.....	{ 700 tons 6-inch "B" pipe..... 550 " 12 " "A" "..... 635 " 20 " " "..... 505 " 30 " "B" "..... 625 " 36 " "A" "..... 3,015 " 50. " Specials.....	@ \$17.17 per ton { estimated at 2,000 lbs. { \$53,767 55	
			\$40.00 per ton 2,000 lbs.	

In the appendices annexed hereto are submitted the reports of the City Engineer and the superintendents of the department. They furnish full details of the present condition of the works and what has been accomplished.

Respectfully,

JOHN R. MURPHY,
Water Commissioner.

APPENDIX A.

REPORT OF THE INCOME DIVISION.

OFFICE OF GENERAL SUPERINTENDENT, INCOME DIVISION,
CITY HALL, BOSTON, Feb. 1, 1897.

HON. JOHN R. MURPHY,
Water Commissioner:

Herewith please find report of the Income Division, Water Department, for the calendar year ending Dec. 31, 1896, it being impracticable to render report of this division for the financial year ending Jan. 31, 1897.

RECEIPTS.

	Cochituate.	Mystic.	Total.
Turning water off and on for repairs . . .	\$1,884 00	\$237 50	\$2,121 50

TABLE I.

	COCHITUATE.	MYSTIC.				Totals.
	Boston, excluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Number of takers by annual rates.....	87,341	6,895	7,859	13,864	5,321	121,280
Number of takers by meter.....	4,107	188	102	118	33	4,548
Number of takers of all kinds.....	91,448	7,083	7,961	13,982	5,354	125,828

TABLE II.

Showing the purposes for which water was taken by Annual Rates, and the districts where taken.

PURPOSES FOR WHICH WATER WAS TAKEN BY ANNUAL RATES.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Armories.....	3	3	1	.....	.....	7
Bakeries.....	256	22	22	12	6	318
Bath-houses.....	5	.....	.....	.....	.....	5
Building purposes.....	1,436	21	68	280	149	1,954
Cemeteries.....	8	.....	1	1	.....	10
Churches.....	220	10	14	25	6	275
Clubs.....	82	24	28	13	6	153
Depots.....	31	1	1	8	4	45
Disinfecting-places.....	1	.....	.....	.....	.....	1
Dwelling-houses.....	48,392	4,722	5,849	8,470	3,468	70,901
Fire Department:						
Chemical engines.....	10	.....	.....	.....	.....	10
Combination wagons..	2	.....	.....	.....	.....	2
Water tower.....	1	.....	.....	.....	.....	1
Hydrants.....	6,398	344	90	149	53	7,034
Ladder companies.....	16	.....	.....	.....	.....	16
Steam-engines.....	40	5	5	6	2	58
Fountains.....	23	4	5	12	3	47
Freight-houses.....	5	11	.....	.....	.....	16
Greenhouses.....	70	.....	3	13	9	95
Gymnasium.....	5	.....	.....	.....	.....	5
Halls.....	155	8	8	4	8	183
Hand-hose.....	9,057	269	632	2,817	811	13,586
Hospitals and asylums..	57	.....	.....	1	.....	58
Laundries.....	390	32	27	30	28	507
Libraries and museums..	12	1	1	1	.....	15
Manufactories.....	13	8	25	17	8	71
Model houses.....	7,045	400	191	377	98	8,111
Morgue.....	1	.....	.....	.....	.....	1
Motor.....	12	1	1	2	1	17
Offal-stations.....	2	.....	.....	.....	.....	2
Offices.....	1,010	42	57	15	16	1,140
Photograph-rooms.....	22	1	2	3	1	29
Police-stations.....	7	1	1	.....	1	10
Public Institutions.....	12	1	.....	1	1	15
Restaurants & Lunches..	288	8	10	5	3	314
Saloons.....	445	52	.....	.....	.....	497
Schools.....	124	5	2	7	3	141
Sewers.....	.....	.....	2	2	1	5
Shops.....	2,327	155	110	115	30	2,737
Shipping.....	39	1	.....	.....	.....	40
Stables.....	3,364	331	368	1,144	462	5,669
Steam-engines.....	197	19	12	2	1	231
Steam-rollers.....	12	.....	.....	.....	.....	12
Stone-crushers.....	7	.....	1	1	1	10
Stores.....	5,331	373	308	280	110	6,402
Theatres (special).....	2	.....	.....	.....	.....	2
Urinals (public).....	19	.....	.....	.....	.....	19
Washing carts.....	3	.....	.....	.....	.....	3
Watering streets.....	384	20	14	51	31	500
Totals.....	87,341	6,895	7,859	13,864	5,321	121,280

TABLE III.

Showing the amounts assessed for water taken by Annual Rates, the purposes for which and the places where taken.

AMOUNTS ASSESSED BY ANNUAL RATES.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Armories.....	\$93 00	\$56 50	\$12 00			\$161 50
Bakeries.....	3,235 74	270 50	297 50	\$151 00	\$90 25	4,044 99
Bath-houses....	206 00					206 00
Building pur- poses.....	14,717 65	185 57	301 10	1,202 32	536 16	16,942 80
Cemeteries.....	75 00		15 00	5 00		95 00
Churches.....	2,603 53	121 00	163 00	245 84	75 00	3,208 37
Clubs.....	1,451 50	271 17	322 50	234 37	62 92	2,342 46
Depots.....	437 95	19 50	19 50	107 00	98 00	681 95
Disinfecting places.....	25 00					25 00
Dwel'g-houses, Fire Depart- ment:	708,511 75	62,824 53	63,242 27	112,210 75	40,339 57	987,128 87
Chemical engines....	150 00					150 00
Combination wagon.....	30 00					30 00
Water tower, Hydrants....	15 00					15 00
Ladder com- panies.....	127,960 00	6,880 00	2,670 00	4,172 00	1,484 00	143,166 00
Steam en- gines.....	240 00					240 00
Fountains.....	1,000 00	115 00	125 00	130 00	50 00	1,420 00
Freight houses, Greenhouses...	448 00	40 00	40 00	65 00	25 00	618 00
Gymnasiums..	59 50	68 00				127 50
Halls.....	1,208 33		36 00	91 00	83 00	1,418 33
Hand-hose.....	554 67					554 67
Hospitals and asylums.....	1,950 41	113 50	137 00	37 84	83 30	2,322 05
Laundries.....	45,285 00	1,345 00	3,160 00	14,085 00	4,055 00	67,930 00
Libraries and museums....	4,453 00			170 00		4,623 00
Manufactories.	7,236 41	593 33	491 25	572 71	273 50	9,167 20
Model houses..	267 67	10 00	12 00	26 00		315 67
Morgue.....	220 75	179 39	268 67	250 92	74 00	993 73
Motor.....	158,201 67	7,332 08	4,073 74	7,958 11	2,033 23	179,598 83
Offal-stations..	10 00					10 00
Offices.....	125 00	20 00	35 00	10 00	5 00	195 00
Photograph rooms.....	225 00					225 00
Police-stations,	11,044 07	413 17	485 84	151 83	147 00	12,241 91
	451 00	22 00	35 00	65 00	12 00	585 00
	130 00	13 00	15 00		20 00	178 00
Car'd forward..	\$1,092,622 60	\$80,893 24	\$75,957 37	\$141,941 69	\$49,546 93	\$1,440,961 83

TABLE III. — *Concluded.*

AMOUNTS ASSESSED BY ANNUAL RATES.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
<i>Brought forward,</i>	\$1,092,622 60	\$80,893 24	\$75,957 37	\$141,941 69	\$49,546 93	\$1,440,961 83
Public Inst....	7,574 50	44 50	.....	25 00	21 00	7,665 00
Restaurants and Lunches,	6,260 66	129 00	177 25	82 00	32 00	6,680 91
Saloons.....	16,765 60	2,130 00	.....	.....	.....	18,895 60
Schools.....	1,709 84	65 00	20 50	64 75	39 00	1,899 09
Sewers.....	9,667 64	.....	134 92	60 00	109 55	9,972 11
Shops.....	24,265 91	993 45	903 92	789 05	188 83	27,141 16
Shipping.....	1,210 57	3 00	.....	.....	.....	1,213 57
Stables.....	23,882 66	2,881 94	1,774 69	6,290 04	2,009 62	36,838 95
Steam-engines,	3,520 51	276 75	153 00	18 00	10 00	3,978 26
Steam-rollers..	206 25	.....	.....	.....	.....	206 25
Stone-crushers,	195 00	.....	6 00	96 40	28 00	323 40
Stores.....	55,841 24	3,250 61	2,877 18	2,563 20	883 69	65,415 92
Theatre (spec- ial).....	86 16	.....	.....	.....	.....	86 16
Urinals pub- lic).....	545 00	.....	.....	.....	.....	545 00
Washing carts,	150 00	.....	.....	.....	.....	150 00
Watering sts...	40,480 00	50 00	1,655 60	4,650 24	486 95	47,322 79
Totals.....	\$1,284,984 14	\$90,717 49	\$83,660 43	\$156,580 37	\$53,355 57	\$1,669,298 00

TABLE IV.

Showing the purposes for which water was taken by Meter, and the districts where taken.

PURPOSES FOR WHICH WATER WAS TAKEN BY METER.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Bakeries.....	14	4	1	.....	.....	19
Baths.....	7	.....	.....	.....	.....	7
Boarding.....	50	.....	1	.....	1	52
Bottling.....	43	2	.....	1	.....	46
Breweries.....	26	1	.....	.....	.....	27
Cemeteries.....	3	.....	.....	.....	1	4
Chemicals.....	6	1	1	.....	.....	8
Club-houses.....	30	.....	.....	.....	.....	30
Distilleries.....	5	1	.....	1	.....	7
Electrical companies.....	10	.....	1	.....	.....	11
Elevators and motors....	476	8	4	6	3	497
Factories.....	265	26	34	19	8	352
Fish-houses.....	32	.....	.....	.....	.....	32
Gas works.....	13	2	2	.....	.....	17
Greenhouses.....	13	.....	.....	.....	2	15
Halls.....	6	2	.....	.....	.....	8
Hospitals.....	20	2	3	1	.....	26
Hotels.....	103	8	.....	2	.....	113
Ice-manufacturing co.'s..	1	1	.....	.....	.....	2
Iron-works.....	29	3	2	1	.....	35
Laundries.....	23	1	3	.....	2	29
Markets.....	9	.....	.....	.....	.....	9
Mills and engines.....	45	8	.....	5	.....	58
Models.....	640	18	3	4	.....	665
Navy Yard and barracks..	.....	2	.....	.....	.....	2
Offices, stores, and shops,	1,294	13	12	25	3	1,347
Oil-works.....	6	.....	1	.....	.....	7
Parks.....	6	1	.....	.....	.....	7
Police-stations.....	14	1	.....	1	.....	16
Public institutions.....	24	1	2	1	.....	28
Saloons and restaurants,	310	3	.....	.....	.....	313
Schools.....	120	12	10	19	8	169
Slaughtering-houses.....	4	.....	.....	4	.....	8
Stables.....	294	46	15	26	4	385
Steam and str't R.R. co.'s	64	16	3	.....	1	84
Stone-works.....	5	.....	.....	.....	.....	5
Sugar-refineries.....	1	.....	.....	.....	.....	1
Tanneries.....	5	.....	.....	.....	.....	5
Theatres.....	21	.....	.....	.....	.....	21
Warehouses.....	8	.....	1	.....	.....	9
Wharves and shipping...	62	5	3	2	.....	72
Totals.....	4,107	188	102	118	33	4,548

TABLE V.

Showing the amounts assessed by Meter, the purposes for which, and the district where water was taken.

AMOUNTS ASSESSED BY METER.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, excluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Bakeries.....	\$802 00	\$997 80	\$81 20	.....	.....	\$1,881 00
Baths.....	531 00	.....	.....	.....	.....	531 00
Boarding.....	3,563 70	.....	23 80	\$15 00	\$63 00	3,665 50
Bottling.....	3,989 84	168 00	.....	.....	.....	4,157 84
Breweries.....	33,036 90	2,639 80	.....	.....	.....	35,676 70
Cemeteries.....	334 30	.....	.....	.....	80 00	414 30
Chemicals.....	275 35	160 00	433 20	.....	.....	868 55
Club-houses.....	6,287 70	.....	.....	.....	.....	6 287 70
Distilleries.....	1,486 30	182 30	.....	186 80	.....	1,855 40
Electrical compa- nies.....	21,329 80	.....	1,291 20	.....	.....	22,621 00
Elevators and motors.....	60,862 03	386 65	136 40	111 80	45 00	61,541 88
Factories.....	53,226 35	3,289 40	6,746 31	4,928 80	2,748 45	70,939 31
Fish-houses.....	3,722 75	.....	.....	.....	.....	3,722 75
Gas works.....	17,448 20	1,506 60	85 40	.....	.....	19,040 20
Greenhouses.....	1,105 80	.....	.....	.....	44 80	1,150 60
Halls.....	343 20	75 60	.....	.....	.....	418 80
Hospitals.....	14,364 30	441 80	1,790 40	125 00	.....	16,721 50
Hotels.....	56,994 10	793 10	.....	212 60	.....	57,999 80
Ice-manufacturing companies.....	1 40	190 00	.....	.....	.....	191 40
Iron-works.....	7,865 70	413 50	57 40	110 00	.....	8,446 60
Laundries.....	4,627 60	480 00	194 20	.....	180 00	5,481 80
Markets.....	5,259 20	.....	.....	.....	.....	5,259 20
Mills and engines..	10,077 61	1,656 40	910 00	267 10	.....	12,911 11
Models.....	69,340 17	1,923 70	345 50	367 10	.....	71,976 47
Navy Yard bar- racks.....	.....	5,970 40	.....	.....	.....	5,970 40
Offices, stores, and shops.....	149,696 36	614 70	530 15	1,347 30	60 25	152,248 76
Oil-works.....	917 70	.....	56 00	.....	.....	973 70
Parks.....	687 75	74 00	.....	.....	.....	761 75
Police-stations....	2,209 10	106 00	.....	72 80	.....	2,387 90
Public institutions.	17,066 70	4,044 00	125 65	29 40	.....	21,265 75
Saloons and restau- rants.....	29,773 10	94 80	.....	.....	.....	29,867 90
Schools.....	12,668 15	818 05	261 40	887 65	245 60	14,880 85
Slaughtering- houses.....	1,574 20	.....	.....	14,120 70	.....	15 694 90
Stables.....	21,773 73	2,462 50	985 50	1,417 60	161 60	26,800 93
Steam and street railroads.....	99,931 66	28,159 90	3,274 60	11,719 00	220 50	143,305 66
Stone-works.....	1,055 20	.....	.....	.....	.....	1,055 20
Sugar-refineries...	26,369 60	.....	.....	.....	.....	26,369 60
Tanneries.....	791 90	.....	.....	.....	.....	791 90
Theatres.....	5,729 63	.....	.....	.....	.....	5,729 63
Warehouses.....	643 90	.....	594 00	.....	.....	1,237 90
Wharves and ship- ping.....	27,590 93	4,594 30	1,739 00	378 20	.....	34,302 43
Totals.....	\$775,354 91	\$62,243 30	\$19,661 31	\$36,296 85	\$3,849 20	\$897,405 57

TABLE VI.

Showing the quantities of water taken by Meter, the purposes for which and the district where taken.

QUANTITIES TAKEN BY METER.	COCHITU- ATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
	<i>Cubic ft.</i>	<i>Cubic ft.</i>	<i>Cubic ft.</i>	<i>Cubic ft.</i>	<i>Cubic ft.</i>	<i>Cubic ft.</i>
Bakeries.....	578,000	783,000	58,000			1,419,000
Baths.....	396,000					396,000
Boarding.....	2,568,000		17,000	8,000	45,000	2,638,000
Bottling.....	2,998,000	121,000				3,119,000
Breweries.....	27,702,000	2,180,000				29,882,000
Cemeteries.....	251,000				58,000	309,000
Chemicals.....	193,000	117,000	341,000			651,000
Club-houses.....	4,932,000					4,932,000
Distilleries.....	1,143,000	137,000		138,000		1,418,000
Electrical com- panies.....	18,371,000		1,056,000			19,427,000
Elevators and mo- tors.....	46,686,000	265,000	90,000	50,000	15,000	47,106,000
Factories.....	43,218,000	2,433,000	5,333,000	3,395,000	2,176,000	56,555,000
Fish-houses.....	2,881,000					2,881,000
Gas-works.....	15,320,000	1,231,000	61,000			16,612,000
Greenhouses.....	805,000				32,000	837,000
Halls.....	252,000	54,000				306,000
Hospitals.....	11,710,000	337,000	1,432,000	90,000		13,569,000
Hotels.....	46,108,000	578,000		155,000		46,841,000
Ice-mfg. companies,	1,000	143,000				144,000
Iron-works.....	6,093,000	308,000	41,000	80,000		6,522,000
Laundries.....	3,632,000	380,000	140,000		132,000	4,284,000
Markets.....	4,625,000					4,625,000
Mills and engines..	7,798,000	1,300,000	715,000	191,000		10,004,000
Models.....	51,718,000	1,422,000	254,000	269,000		53,663,000
Navy Yard and bar- racks.....		5,113,000				5,113,000
Offices, stores, and shops.....	113,424,000	435,000	361,000	918,000	39,000	115,177,000
Oil-works.....	681,000		40,000			721,000
Parks.....	515,000	53,000				568,000
Police-stations....	1,615,000	76,000		52,000		1,743,000
Public Institutions,	13,865,000	3,421,000	86,000	21,000		17,393,000
Saloons and res- taurants.....	22,163,000	68,000				22,231,000
Schools.....	9,546,000	523,000	178,000	627,000	169,000	11,043,000
Slaughter'g-houses,	1,244,000			13,587,000		14,831,000
Stables.....	16,054,000	1,765,000	702,000	987,000	111,000	19,619,000
Steam and street R.R. companies..	102,024,000	26,189,000	2,699,000	12,283,000	65,000	143,260,000
Stone-works.....	799,000					799,000
Sugar-refineries....	30,932,000					30,932,000
Tanneries.....	593,000					593,000
Theatres.....	4,480,000					4,480,000
Warehouses.....	455,000		475,000			930,000
Wharves and ship- ping.....	22,167,000	3,737,000	1,411,000	288,000		27,603,000
Totals.....	640,536,000	53,169,000	15,490,000	33,139,000	2,842,000	745,176,000

TABLE VII.
Number and Amounts of Abatements Allowed during the Year 1896.

ABATEMENTS.	COCHITUATE.		MYSTIC.					
	Boston, excluding Charlestown.		Charlestown.		Chelsea.		Somerville.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
On account of Assessments of.								
1896	2,997	\$21,812 98	195	\$820 91				
1895	1,861	24,069 00	120	1,202 50	309	\$1,367 58	331	\$1,626 18
1894	1,715	15,056 01			167	1,971 66	347	2,252 56
1893	5	1,197 90						
Totals.....	6,578	\$62,135 89	315	\$2,023 41	476	\$2,639 24	678	\$3,878 74
							361	\$2,038 55

Total number of abatements.....8,408

Total amount of abatements.....\$72,715 83

The abatements allowed on account of 1896 assessments, amounting to \$26,422.45, were due to changes in occupancy of premises, changes in ownership, vacancies, errors in valuations and assessments, inaccuracy of meters as proved by tests, underground leaks for which the owner could not be held entirely responsible, and for other reasons, which in the judgment of the General Superintendent, entitled the water taker to consideration. The abatements on account of 1895-1894 and 1893 assessments, amounting to \$42,236.38, were due to bills uncollectible, changes of ownership, failures, shut off for non-payment, and cleaning up of old accounts.

Tables VIII. and IX. represent the work of the Off and On Service, as follows :

TABLE VIII.

NEW ELEVATOR, MOTOR, FIRE, AND SERVICE PIPES.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Elevator	16	.....	.....	.....	.....	16
Motor	6	1	.....	1	.....	8
Fire	31	1	.....	1	.....	33
Service	2,350	51	86	469	175	3,131
Totals.....	2,403	53	86	471	175	3,188

TABLE IX.

TURNING WATER OFF AND ON.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
For repairs in mains.....	1,003	7	.....	.....	.....	1,010
For repairs in service.....	4,105	441	12	32	13	4,603
For non-payments.....	1,608	90	98	88	100	1,984
For waste.....	21	.....	.....	.....	.....	21
Turning on first time....	2,105	44	118	392	259	2,918
Vacants	2,376	189	350	445	303	3,663
Totals.....	11,218	771	578	957	675	14,199

TABLE X.

Showing the kind of fixtures in use January 31, 1897, their number and the districts wherein located.

FIXTURES IN USE JAN. 31, 1897.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Chelsea.	Somerville.	Everett.	
Bath-tubs.....	53,972	1,694	2,412	6,938	3,014	68,030
Bowls	84,168	2,530	2,919	7,275	2,783	99,675
Foot-tubs.....	539	9	2	8	1	559
Sinks	143,515	12,249	9,763	16,317	5,491	187,335
Taps.....	19,886	1,181	1,085	3,208	900	26,260
Urinals	4,334	178	77	43	20	4,652
Wash-tubs.....	81,392	2,090	2,694	8,374	2,659	97,209
Water-closets	127,331	8,190	7,331	14,013	4,111	160,976
Totals.....	515,137	28,121	26,283	56,176	18,979	644,696

METER, ELEVATOR, AND MOTOR SERVICE.

Number of water meters taken from service during
the year 1896, subject to an accuracy test 1,897

New hydraulic elevators inspected, measured and
accepted 13

Old hydraulic elevator cylinders remeasured, clocks
readjusted to accuracy 12

Old hydraulic elevator cylinders remeasured, and
location of clock changed and readjusted to
accuracy 18

Total number of elevator cylinders measured 43

Number of elevators found registering against the
revenue 39

New hydraulic elevators inspected, measured and
accepted 9

FIRE-PIPE SERVICE.

Number of buildings examined having a fire-pipe
service 378

Number of outlet valves of various kinds inspected, subject to sealing	2,590
Number of outlet valves of various kinds resealed or sealed first time	2,226
Number of premises examined equipped with fire hydrants	99
Number of hydrants found subject to sealing	107
“ “ resealed	84

WASTE DETECTION.

Premises on which defective fixtures were found	4,395
Premises re-examined	4,483
Second notices to repair issued	513
Wilful-waste notices issued	15

The defective fixtures may be divided into the following classes:

Ball-cocks and valves	2,865
Sink, hopper, bowl, and bath faucets	2,200
Service pipes burst	177
Wilful waste	15
Number of notices issued from this office for waste of water reported by the waste and Deacon meter system	2,642

Yours respectfully,

J. H. CALDWELL,
General Superintendent Income Division.

APPENDIX B.

REPORT OF THE RESIDENT ENGINEER AND
SUPERINTENDENT OF THE WESTERN DIVI-
SION.

SOUTH FRAMINGHAM, Jan. 1, 1897.

HON. JOHN R. MURPHY,

Water Commissioner :

SIR: The annual report of the Western Division of the Boston Water Works is herewith submitted.

SUDBURY-RIVER BASINS.

Water-shed, 75.2 Square Miles.

The rainfall for 1896 was 43.21 inches at Framingham, and 42.22 inches at Chestnut-Hill Reservoir. The mean rainfall on the Sudbury-river water-shed was 43.07 inches, which is about 5 inches below the average.

As a whole, the year can hardly be classified among the years of drought. The deficiency, however, occurring in five consecutive months, beginning with April and ending with August, caused some uneasiness, in view of the possibility of a small rainfall for the rest of the year.

The following table shows the average yield of the Sudbury-river water-shed for 1875-95, inclusive, and the yield for 1896. It will be seen that the month of May was really the dry month, and remarkably so.

Yield of the Sudbury-river water-shed in millions of gallons per square mile per day.

	1875-95.	1896.
January	1.211	1.084
February	1.846	2.676
March	2.825	3.835
April	2.053	1.494
May	1.148	0.360
June	0.473	0.399
July	0.187	0.095
August	0.286	0.057
September	0.240	0.388
October	0.545	0.592
November	0.951	0.659
December	1.038	0.657

The city, however, had on store September 1, about 3,000,000,000 gallons in the Sudbury system alone and 2,700,000,000 gallons on October 1—the lowest point reached during the year. There is no doubt that in a year of the most excessive drought the city supply is somewhat below the safety line, caused by the delay in undertaking the building of Reservoir 5. This reservoir will be completed in a year from the present date, and it is now sufficiently advanced to store about 1,200,000,000 gallons. It is the present intention to store this additional amount of water at this point during the winter and spring. This water, with the present storage facilities, and an additional amount added to Reservoir 8 by raising its surface 2 feet, will meet all the probable demands of the city during the coming year.

On Jan. 4, 1896, Reservoir 5 was seized by the Commonwealth, through the agency of the Metropolitan Water Board, and the construction of this important addition to Boston's supply has been continued under the direction of that Board. Owing to the large amount of work going on in the bottom of that reservoir, it has been even more difficult than last year to maintain the good quality of the water delivered to the city's distribution pipes. A large degree of success has, however, been met with in this direction, due to the very large scale of the Boston works and the excellent sanitary conditions maintained by the Commonwealth in the construction of Reservoir 5. At times 2,000 men and a large number of teams were engaged in stripping the soil in Southborough and Marlborough, not far above Reservoir 3, and the water flowing into this reservoir was necessarily very muddy. In anticipation of this condition, the surface of Reservoir 3 was early drawn down as low as possible, and then it was allowed to fill slowly with the poor water, and none of the supply of the city was drawn directly from this source during the whole summer.

Reservoirs 4 and 6 were drawn down, and, as they contained excellent water the city supply was never better during nearly the whole season.

The color of the tap water fell as low as 0.40. The color now is about 0.70. Whenever it became necessary to draw a little water from Reservoir 3, it was allowed to settle first in Reservoir 1, and then it had to pass through Chestnut-Hill Reservoir.

A small day force has been kept at work on the Filter Beds at Reservoir 6 during the year, and three of the beds are now completed and underdrained.

RESERVOIR 1.

Grades, H. W., 161.00; Tops of Flash-boards, 159.29 and 158.41; Crest of Dam, 157.54. Area, Water Surface, 143 acres; Greatest depth, 14 ft.; Contents, below 161.00, 376,900,000; below 159.29, 288,400,000 gals.

On Jan. 1, 1896, water in this reservoir stood at elevation 158.11, and water was wasting over the stone crest of the dam and continued to waste, with the exception of January 16, until April 13, when both sets of flash-boards were placed in position. The water in the reservoir then rose, and on April 16, a small amount of waste commenced over the flash-boards and continued until May 1, when the water in the reservoir fell below the top of the flash-boards. On May 12, the water in the reservoir was at elevation 157.08, and from this date until November 6, the water in the reservoir was kept near elevation 157.00 by drafts first from Reservoir 3 and later from Reservoir 2. The water then rose and began to waste over the stone crest, which continued until December 3, when the water in the reservoir fell for a while below the stone crest, but soon rose, and on December 9, waste again commenced, and continued until December 17, when waste for the year ceased. The water in the reservoir then fell, and on December 31, was at an elevation of 156.43.

No water was wasted from this reservoir into the Sudbury river through the flood gates, except on April 22 and 23, when a gate was opened for a while to prevent too great a depth of water from flowing over the flash-boards.

Both sets of flash-boards were placed in position on the dam on April 13 and removed on August 7.

The highest elevation reached during the year was 159.00, on March 1, and the lowest 156.29 on December 27.

Water for the supply of the city was drawn wholly from this reservoir from 12 M., January 6, to 11 A.M., March 31; from 9 A.M., April 20, to 6 A.M., April 21; and from 10.30 A.M., December 17, to 10 A.M., December 18.

Water was drawn partially from this reservoir and partially from Reservoir 2 from 11 A.M., March 31, to 9 A.M., April 20; from 6 A.M., April 21, to 5 P.M., April 22; from 3.30 P.M., April 23, to 11 A.M., August 8; from 11 A.M., August 10, to 9 A.M., September 7; from 11 A.M., September 21, to 11 A.M., November 5; from 10.15 A.M., November 18, to 10.30 A.M., December 17; and from 10 A.M., December 18, to the end of the year.

RESERVOIR 2.

Grades, H. W., 168.00; Tops of Flash boards, 167.12 and 166.49; Crest of Dam, 165.87. Area, Water Surface, 134 acres; Greatest Depth, 17 ft.; Contents, below 168.00, 568,300,000; below 167.12, 529,860,000 gals.

On Jan. 1, 1896, water in this reservoir stood at elevation 166.17 and was flowing over the stone crest of the dam and continued to flow until April 13, when both sets of flash-boards were placed on the stone crest, after which the water rose and on April 16 was flowing over the flash-boards and so continued with the exception of three days until April 29, when an extra set of flash-boards was put on the regular set. On May 3, water began to waste over the flash-boards until May 24. The water then gradually fell with slight rises at times, to elevation 163.02 on June 26, when water was drawn from Reservoir 4. On July 30, water was also drawn from Reservoir 6, and still later, on September 16 from Reservoir 8, to keep up the supply. Reservoir 2 was kept on an average between elevations 162.50 and 163.00 until September 20, then between elevations 163.00 and 164.00 until November 30, when the waste gate at Reservoir 8 was finally closed, the gate at Dam 4 having been closed on October 7 and at Dam 6 on November 20. On November 30 water in the reservoir was at elevation 163.52, at 164.57 on December 18 and at 163.82 on December 31. All flash-boards were removed on August 7.

The highest elevation reached by the water during the year was 167.60 on May 7 and 8, and the lowest was 162.33 on August 20. Water for the supply of the city was drawn wholly from this reservoir from 7 A.M., January 1, to 12 M., January 6; from 5 P.M., April 22, to 3.30 P.M., April 23; from 11 A.M., August 8, to 11 A.M., August 10; from 9 A.M., September 7, to 11 A.M., September 8; from 10 A.M., September 20, to 11 A.M., September 21; and from 11 A.M., November 5, to 10.15 A.M., November 18.

Between August 27 and October 27 the town of Ashland finished the widening of Fountain street, near the head of Reservoir 2. For a distance of about 2,250 feet land was taken from the city for the widening. No compensation has been made for the land so taken.

About 530 feet of the fence that the city has to maintain on Fountain street, Framingham, near the bridge, has been rebuilt. The remainder is in poor condition and should be renewed as soon as possible. The Fountain-street bridge was painted in October.

The average number of organisms for the year in Reservoir 2 has been 95 per c.c. and amorphous matter 181 per c.c.

Infusoria were the most important organisms, but they were at no time abundant. Synura, Glenodinium and Euglena Acus were observed. The Diatomaceæ reached a maximum of 400 on June 1.

RESERVOIR 3.

*Grades, H. W., 177.00; Crest of Dam (no flash-boards), 175.24.
Area at 177.02, 253 acres; Contents, below 177.00, 224,500,000 gals.
Area at 175.24, 248 acres; Contents, below 175.24, 1,081,500,000 gals.
Greatest depth, 21 feet.*

On Jan. 1, 1896, water in this reservoir stood at elevation 175.75 and was flowing over the stone crest, and continued to overflow until May 12, with the exception of February 9 and 10, March 16, 17, 18, 19, 20, and 21, when water was running through the gates into Reservoir 1. On May 12, an outlet gate into Reservoir 1 was opened, and the water gradually fell to 168.23 on August 6, when the outlet gate was closed. The water then remained at about 168.35 until September 5, and rose to 171.46 on September 23, when the outlet was opened, falling then to 170.86 on October 13. The water then rose, and on November 5 was flowing over the stone crest, and continued to overflow until December 27, when the outlet gate was again opened. The water in the reservoir then fell to elevation 174.82 on December 31.

The highest point reached during the year was 176.81 on February 7, and the lowest, 168.23 on August 6.

The average number of organisms for the year was 506 per cc.; of amorphous matter 269 per cc.

Diatomaceæ were present in small numbers during the first of the year, but were unimportant until October 1, when a vigorous growth of Tabellaria commenced, which reached a maximum of 1,600 on October 20, and decreased gradually until the end of the year. Infusoria were present from March until May. Euglena Acus appeared on March 24, and reached a maximum of 368 at the middle of April. Uroglena was present to the amount of 300 on the last of April. The Chlorophyceæ and Cyanophyceæ reached a considerable growth about June 1. On August 25, Cœlosphærium was present to the amount of 2,140 standard units per cc.

On account of work at Dam No. 5, the water of the influent stream, which enters Reservoir 3, has been turbid a considerable portion of the time, frequently so turbid as to make the estimation of the color impossible. On several occasions this turbidity extended throughout the water of the reservoir.

RESERVOIR 4.

*Grades, H. W., 215.21; Tops of Flash-boards, 215.21 and 214.89; Crest of Dam, 214.23.
Area, Water Surface, 167 acres; Greatest Depth, 49 feet; Contents, below 215.21, 1,416,400,000 gals.*

On Jan. 1, 1896, water in this reservoir was at elevation 213.86, and on January 3 was flowing over the stone crest of the waste weir, and continued to overflow until March 18, when an outlet gate was opened. On March 21 the gate was closed, and the water again began to overflow, which continued until April 13, when the lower set of flash-boards was put in place. On April 15, the upper set was put in place; on April 19, water again began to waste, and so continued until June 26, when the supply for the use of the city was drawn from this source. The water fell to 183.45 on September 7, when the outlet gate was closed. The water then rose to elevation 184.72 on September 15, when a gate being again opened it fell to 182.43 on October 7. The outlet gate was then closed for the year, the reservoir gradually filling to 194.99 on December 31.

The highest elevation reached during the year was 215.38 on March 1 and April 24, and the lowest 182.12 on September 29.

A considerable amount of work has been done during the year on Cold Spring Brook, below Dam 4, principally on the first bridge below the dam. The abutments of this bridge are on a quicksand foundation, and they had moved out of line to such an extent that it was determined to rebuild them. The site was surrounded by a coffer-dam of sheeting, and a deep concrete foundation put in place, upon which the abutments were started. This work is still in progress. It was begun with a small force on October 19.

The average number of organisms for the year was 103 per cc., against 39 per cc. for 1895, and of amorphous matter 176 against 158 for last year.

Diatomaceæ have been present throughout the year, and have constituted the greater part of the growth of organisms. With the exception of a small number of *Synedra* during July, the growth has been almost entirely composed of the small *Cyclotella*, which reached a maximum of 1,465 in the middle of December. Chlorophyceæ appeared in July, but were not abundant. There was a considerable growth of *Draparnaldia* on the stones just below the entrance of the influent stream during November, but none of it appeared in the water.

RESERVOIR 6.

*Grades, H. W., 295.00; Top of Flash-boards, 295.00; Crest of Dam, 294.00.
Estimated Area, 185 acres; Estimated Contents, 1,530,300,000 gals.*

On Jan. 1, 1896, water in this reservoir stood at elevation 294.39 and was flowing over the stone crest, and continued to overflow, with the exception of March 18, 19, 20, 21, and 22, when the outlet gate was opened to prevent the water in the reservoir from rising too high, until April 13, when the lower set of flash boards was placed in position. The reservoir then kept at about high-water mark, elevation 295.00, until August 1, when an outlet gate was opened for the supply of the city. The water fell to 261.69 on November 20, when the gate was closed. It then rose to 267.38 on December 18, when water was drawn on to the filter beds to test their efficiency. On December 31 the surface stood at 266.56. From August 1 to September 22 a small portion of the water, drawn from this source, was filtered on Beds 1 and 3. The highest elevation reached during the year was 295.27 on March 1, and the lowest 261.69 on November 20.

Between May and December 21, work has been continued by the day upon the filter beds in course of construction below Dam 6. Beds 2 and 4 were graded, and Bed 5 nearly completed. Beds 2 and 3 were thoroughly underdrained by two different systems. One outlet well has been built at the ends of the pipes.

The following tables give the results of such experiments as have been made upon the filtration of water through the beds. In this connection it must be kept in mind that the results obtained are, in some respects, never as satisfactory when the beds are new as they are after the beds have been in use for a short time.

Color, Organisms and Amorphous matter in the Applied Water and Filtered Water at Filter Beds at outlet of Reservoir No. 6.

	Date.	Applied Water.	Effluent Water.	Amount of Reduction.	Per cent of Reduction.	Rate in mil. gals. per acre per day.
<i>Beds Nos. 1 and 3. Combined outlets Beds 1 and 3.</i>						
Color.....	Dec. 28, 1896	.88	.57	.31	35.2	4½
	" 30, "	.88	.60	.28	31.8	"
	Jan. 1, 1897	.90	.60	.30	33.3	"
Organisms....	Dec. 28, 1896	157	11	146	93.0	"
	" 30, "	153	36	117	76.4	"
	Jan. 1, 1897	126	28	98	77.7	"
Amorphous matter.....	Dec. 28, 1896	176	56	120	68.2	"
	" 30, "	220	54	166	75.5	"
	Jan. 1, 1897	156	54	102	65.4	"
Bacteria.....	Dec. 28, 1896	70	42	28	40.0	"
	" 30, "	27	28	sl. increase	.....	"
	Jan. 1, 1897	38	41	" "	.....	"

Bed No. 3. Effluent from Bed 3 only.

Color.....	Jan. 2, 1897	.90	.54	.36	40.0	
	" 3, "	.90	.41	.49	43.3	
Organisms....	" 2, "	126	8	118	96.3	
	" 3, "	126	18	108	85.7	
Amorphous....	" 2, "	156	48	108	69.2	
	" 3, "	156	42	114	73.1	

Bed No. 2. Effluent from Bed No. 2.

Color.....	Dec. 28, 1896	.88	.05	.83	94.3	.58
	" 30, "	.88	.05	.83	94.3	.48
	Jan. 1, 1897	.90	.07	.83	92.2	.33
Organisms....	Dec. 28, 1896	157	4	153	97.4	.58
	" 30, "	153	8	145	94.8	.48
	Jan. 1, 1897	126	8	118	93.6	.33
Amorphous....	Dec. 28, 1896	176	52	124	70.4	.58
	" 30, "	220	46	174	79.1	.48
	Jan. 1, 1897	156	48	108	69.2	.33
Bacteria.....	Dec. 28, 1896	70	240	Increase	.....	.58
	" 30, "	27	532	"	.....	.48
	Jan. 1, 1897	38	507	"	.....	.33

NOTE.—The colors on the above are those of the Boston Water Works scale.

		COLOR.		
		Applied Water.	Filtered Water.	
August	14, 1896.....	0.42	0.30	Boston Water Works scale.
"	24, "	0.45	0.29	
"	31, "	0.44	0.25	
September	8, "	0.43	0.25	
August	14, "	0.43	0.26	State Board of Health colors.
"	24, "	0.49	0.25	
"	31, "	0.48	0.19	
September	8, "	0.44	0.19	

The channel of Indian brook has been excavated and its banks gravelled for a distance of about 1,000 feet. The long shed which had been used as a barn and which stood on the site of Bed 5 was removed. One-half of it was sold, and the other half moved to the attendant's house. The walk on the top of the dam has been regraded with proper materials.

The average number of organisms for the year was 137 per cc. against 72 per cc. for 1895, and of amorphous matter 178 against 234 for 1895.

Diatomaceæ were present throughout the greater part of the year. The most abundant growth consisting mainly of Tabellaria, occurred in September.

Infusoria were present throughout the greater part of the year, although not in very large numbers. During the latter part Glenodinium was more abundant.

Anthrophyssa was present in the influent in June. Investigation showed that there was a large growth of Infusoria in several enlargements of the influent stream or pockets at the head of the reservoir, and some special studies were made of these growths.

Chlorophyceæ and Cyanophyceæ were present from June to September. There was a large growth of Draparnaldia on the stones at the head of the reservoir in November, but none was observed free in the water.

RESERVOIR 8.

*Grades, H. W., 327.91; Bottom of Gates, 317.78.
Area at 327.91, 601 acres; Contents, between 327.91 and 317.78, 1,256,900,000 gals.*

On Jan. 1, 1896, water in this reservoir stood at elevation 325.29 or 2.62 feet below high water. The outlet gate

was open. On March 4 the water was at 326.07 and on March 29, when the gate was closed, was at 325.58. The water then rose to 326.58 on April 26. It remained at about this level until June 30, falling to 325.82 on September 16, when the outlet gate was opened to furnish water to Reservoir 2 for the supply of the city. On October 17, when the gate was closed, the surface was at 324.56. It then rose to 324.92 on November 17, when the gate was again opened. The water then fell to 324.35 on Nov. 30, when the gate was finally closed, after which it gradually rose to 324.77 on December 31.

The highest elevation reached during the year was 326.71 on June 16 and 18, and the lowest 324.35 on November 30.

Weir measurements of the waste have been taken as usual.

Towards the last of the year, it was decided to raise the dam at the outlet in order to store an additional two feet in depth of water. It was found that besides raising the dam, it would be necessary to build a dyke at the cove, on the north-westerly side of the reservoir, to rebuild a culvert and raise a short piece of road at the southerly extremity, and also as a precautionary measure to build a coffer-dam across the narrow part of the reservoir, about 130 feet above the old dam. Work was commenced December 28, by driving sheeting at the site of the dyke.

FARM POND.

Grades, H. W., 149.25; Low Water 146.00.

Area at 149.25, 159 acres; Contents, between 149.25 and 146.00 165,500,000 gals.

On Jan. 1, 1896, water in this pond was at elevation 149.67. On February 10 it had risen to 150.22, but water was then wasted into Sudbury river, and the surface fell to 149.25 on February 20. It then began to rise and on March 12 reached 149.77, when water was again wasted into the Sudbury river, and it receded to 149.11 on March 17. It then rose to 149.57 on April 4, when it began to recede, and on September 3 had fallen to 148.21. The water then rose to 148.53 on September 14, and from this time to the end of the year remained between 148.50 and 149.00.

The highest elevation reached during the year was 150.22 on February 10, 11 and 12, and the lowest 148.21, on September 3 and 5.

No water for the supply of the city has been drawn from this pond during the year.

The Framingham Water Company has pumped 139,300,000 gallons during the year, an average of 380,601 gallons daily.

The total amount of waste was 93,900,000 gallons, of which 2,000,000 gallons were used in cleaning the aqueduct, and the remainder wasted into the river.

LAKE COCHITUATE.

Grades, H. W., 134.36; Invert of Aqueduct, 121.03; Top of Aqueduct, 127.36.
Area, Water Surface at 134.36, 785 acres.
Contents, between 134.36 and 127.36, 1,515,180,000; between 134.26 and 125.03, 1,910,280,000 gals.
Approximate Contents, between 134.36 and 121.03, 2,447,000,000 gals.; between 134.36 and 117.03, 2,907,000,000 gals.

On Jan. 1, 1896, water in the lake was at elevation 132.30 or 2.06 feet below high water. On January 24 it had fallen to 131.86, but on February 8 rose to 133.86. The waste was opened for a while. On February 19 it rose to 134.02 and the waste gate was again opened, and kept open nearly all the time until April 9, when it was finally closed. On April 9 the water was at 134.20, and on April 23 it had risen to high water, 134.36. The surface gradually fell to elevation 127.77 on October 13, from which date it remained at about 128.00 until the end of the year.

The amount of water wasted from the lake at the outlet dam was 42,900,000 gallons in January, 434,300,000 gallons in February, 1,262,200 gallons in March, and 167,600,000 gallons in April; a total of 1,907,000,000 gallons.

In April 300,000 gallons were turned into the lake from the Sudbury sources, and in May 35,200,000 gallons, a total of 35,500,000 gallons.

All of the flash-boards have been in place on the crest of the outlet dam during the year. All of the at stop-planks the circular dam were put in place on June 6, and on November 2 one stop-plank was removed.

Early in the autumn the low level of the lake rendered it probable that it might be necessary to pump into the aqueduct to maintain the supply. In consequence, all the machinery for this purpose was overhauled, tested, and put in perfect readiness to begin pumping. The platforms for the pumps and shafting were completed as far as possible. One of the Atlas engines, intended for pumping at the lake, was in use at the Natick filter beds. An Ames engine was taken from the storehouse at South Framingham to take its place. The heavy rainfall in September enabled the supply to be kept up, without resorting to pumping.

Early in the summer, G. F. Whitney built a boat-house within a few feet of the city's line on his land on the east shore of Pegan meadows, and attempted to grade from his boat-house over the city's land to the water. In order to

stop further trespassing, a fence, 900 feet long, and passing by the boat-house, was built on the line between the city and Whitney.

The Natick sewerage works were completed and put in use last fall.

The Pegan filter beds have been in use the larger part of the time during the year. The following table shows the total number of gallons of water pumped, the amounts delivered to each bed, etc., for each month of the year:

MONTH, 1896.	No. of Days Pumps were run.	AMOUNT OF WATER PUMPED.		AMOUNT OF WATER DELIVERED ON BEDS.		
		Total for Month.	Average for each Day Pumps ran.	No. 1.	No. 2.	No. 3.
		Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
January	28	25,726,000	918,800	5,184,000	7,873,000	12,669,000
February.....	29	28,544,000	984,300	3,953,000	10,919,000	13,672,000
March	31	33,826,000	1,091,200	8,003,000	11,664,000	14,159,000
April	30	31,266,000	1,042,200	13,381,000	17,010,000	875,000
May	25	16,265,000	650,600	3,046,000	.....	13,219,000
June	23	19,213,000	835,300	8,618,000	10,206,000	389,000
July	23	10,562,000	459,200	1,166,000	1,685,000	7,711,000
August	9	7,420,000	824,400	1,782,000	.....	5,638,000
September	29	21,028,000	725,100	5,605,000	4,471,000	10,952,000
October	30	21,352,000	711,700	3,013,000	.....	18,339,000
November.....	27	21,092,000	781,200	12,069,000	8,116,000	907,000
December	29	21,805,000	751,900	10,773,000	1,361,000	9,871,000
For the year ...	313	258,099,000	824,600	76,593,000	73,305,000	108,201,000

The total amount of coal used during the year was 320,425 pounds; 805.5 gallons were pumped per pound of coal.

Bacteria in Effluents of Natick Filter Beds.

Drain No. 2 (for 3 months)	.	.	.	17
" " 3 " 4 "	.	.	.	3
" " 4 " 10 "	.	.	.	18
" " 5 " 8 "	.	.	.	8

The bottom of the waste way of the receiving basin at the filter beds, which was built of paving imbedded in sand, was caved in, and the side walls cracked and lowered in some places by the wasting of water early in the year. During the summer the bottom was thoroughly repaired by replacing the paving on a bed of concrete for the entire length of the waste-way, and the side walls were taken down and rebuilt where necessary. On the north side of the waste-way sheeting was driven and a concrete core-wall built to the border of the city land, on the centre line of the dam produced, to prevent the percolation of water from the basin.

This winter quite a large quantity of roots, hummocks, etc., which had been raised by the ice, and deposited on Pegan meadows, were removed above high water, and the appearance of the meadow improved.

No adjustment of damages has yet been made between the Boston & Albany Railroad and the Water Department for the damage caused by filling into and across the lake. Some of the city land was also taken by the railway which has not yet been paid for.

The average number of organisms for the year was 569 per c.c. against 360 per c.c. for 1895. The amorphous matter was 411 per c.c. against 569 last year.

The spring growth of diatoms reached a maximum of 450 on May 25. They were not abundant again until November 1, when a vigorous growth of *Asterionella* commenced, which amounted to 1,500 per c.c. on November 23, and decreased slowly during December. In connection with the autumn growth there was considerable *Melosira*, especially at the mid-depth and bottom.

Infusoria have been present during the year, but were not abundant until the middle of July, when a growth of *Mallomonas* appeared at the mid-depth. They reached a maximum of 3,640 on August 4, and disappeared as a distinct growth about the middle of October. A growth of *Uroglena*, which commenced about the middle of June, appeared to be the cause of a simultaneous growth in Chestnut-Hill Reservoir. *Anabæna* (sterile) was present during January, but the main growth of *Chlorophyceæ* and *Cyanophyceæ* did not begin until June 1. They were represented mainly by *Protooccus*, *Microcystis*, *Anabæna*, and *Anabæna* (sterile). The autumn growth of *Anabæna* (sterile) began about the middle of November, and continued through the remainder of the year.

Crenothrix appeared at the bottom on July 1, and was noticed a few times at other depths after the overturn of the

water in the autumn, which occurred between November 13 and 15.

Feeders of Lake Cochituate.

Means of Monthly Observations (1896).

	Temperature.	Color.	Organisms.	Amorphous.	Bacteria.
Beaver Dam brook (mouth of brook),	53.6 ²	0.86	99	214	434
Beaver Dam brook (last culvert)...	54.9 ²	0.80 ¹	133 ¹	214 ¹	355 ³
Course brook.....	54.0 ³	0.89	283	235	395
Dug pond.....	60.6 ⁴	0.21	478	213	233 ¹
Circular dam.....	54.9 ²	0.78	43	169	727
Pegan brook.....	60.0 ⁵	0.24	68 ⁵	646 ⁵	3,775 ²
Snake brook.....	50.1 ⁴	0.55	69	271	337

¹For 11 months.
²“ 10 “

³For 9 months.
⁴“ 8 “

⁵For 7 months.
⁶“ 5 “

DUDLEY POND.

*Grades, H. W., 146.46; 18-inch Pipe, 130.36 and 127.36.
Area, Water Surface, 81 acres; Greatest Depth, 27 feet; Contents, above 130.36,
250,000,000 gals.*

On Jan. 1, 1896, water in this pond was at elevation 143.53 or 2.93 feet below high water, and on December 31 it was at 143.16. No water has been drawn from the pond during the year.

SUDBURY-RIVER AQUEDUCT.

*Grades, 141.352 at Farm Pond; 124.051 at Terminal Gate-House.
Length, 15.89 miles; Size, 7 ft. 8 in. $\times$ 9 ft.; Capacity, 109,000,000 in gals. 24 hours.*

The three portions of this aqueduct are in good condition. The supply and Farm-pond aqueducts were cleaned once by machine on April 16. The main aqueduct was cleaned by machine from Farm pond to the West Siphon Chamber on April 22 and 23, and by hand from East Siphon Chamber to Chestnut Hill-Reservoir on May 14 and 15.

While the Supply and Farm-pond aqueducts were undergoing their annual cleaning on April 16, 50 feet of the main aqueduct, easterly from the gate-house at Farm pond, was cleaned; also the muddy deposits of the swampy sections as far as the Rockland tunnel; also Course-brook Waste-Weir and 50 feet easterly and westerly from the weir, Bacon's Waste Weir and Fuller's Waste Weir and 50 feet each side

of the weirs ; also the muddy deposit on the arch from Waban bridge to West Pipe Chamber ; also the pipe chamber, and 50 feet of aqueduct in a westerly direction.

On April 30 the Rockland and Badger Hill tunnels were both cleaned. They were covered with a black deposit and sponge growth, the latter on the bottom and one foot above the same, only. In the Beacon-street tunnel 40 lbs. of slate stone had fallen at Station 780 + 55 and 6 lbs. of conglomerate at Station 791+25. The concrete lining and railroad track were found in excellent condition.

The 48-in. pipes in Reservoir 1 have been flushed into the river below Dam 1, once during the year.

The three portions of the aqueduct have been in use for the same length of time, 359.2 days.

The flow was stopped, except for cleaning the aqueduct, only three times during the year.

The amount of water sent to the city has been 14,857,300,000 gallons, a daily average of 40,594,000 gallons. Besides the above, 35,500,000 gallons have been turned into Lake Cochituate.

The whole line of the aqueduct is in most excellent condition, with the exception of the Waban arches. A large amount of careful attention has been given to every structure, the fences, iron work, roofs, etc., and their maintenance reflects credit on the small maintenance force of five men.

Last year the Waban arches were thoroughly repaired at considerable expense, and they were made absolutely watertight ; but they are now leaking badly again. It has been proved that it is impossible to keep the aqueduct tight under all the changes of temperature in this climate, and it is simply a matter of time when the masonry is irretrievably ruined, unless constant efforts are made to keep it in repair. On February 14, 1896, an examination was made of the bridge between the bottom of the aqueduct and the longitudinal galleries under the same. The upper gallery on the north side of the bridge was found covered with ice to a depth of 4 inches. This ice extended the whole length, with the exception of 100 feet at each end. In the other two galleries the ice covered about one-half the length of the structure. The ice extended upward 1 foot on to the adjacent walls. On the north wall of the north gallery the ice reached the top. In places the water was percolating through the walls, and standing to a depth of three-quarters of an inch in places in the southerly galleries.

The top of the main arches beneath the galleries were covered with ice over their whole surface, as far as could be

seen, which appeared to be about 6 inches in thickness. Frost and ice were visible on the vertical portions of the work throughout.

A year later similar conditions were found, and the masonry was leaking badly. Water was running into the tell-tale pipes at the end of the bridge. At the easterly end the stream was 1 foot wide and $\frac{1}{2}$ inch deep. At the westerly end the stream was 2 feet wide and 1 inch in depth with considerable velocity. These streams did not represent all the leakage, as some water was percolating into the spaces over the main arches. In thawing weather this water makes its way through the joints in the granite. In the interior of the work the cement joints are working out and plastering is forced off. Exterior joints are displaced by the action of the frost and the running out of the water. If this action is going on in as fine a piece of masonry as the Waban arches, built with every apparent precaution and well drained, what must it be in an inferior piece of aqueduct bridge construction? It will probably be necessary to line the aqueduct over the Waban arches with lead and then to repair the masonry thoroughly.

A tunnel has been built under the aqueduct at Newton Highlands to contain a sewer. The building of these sewers under the aqueduct has always proved a costly and dangerous operation. This year it was determined to try a novel scheme. Excavations were made on each side of the aqueduct to the desired depth. Steel cylinders, 6 feet 6 inches long, were then forced through the soil by a jack-screw and the material excavated from in front of them. The cylinders were in telescopic form, the largest 5 feet 10 inches in diameter, and the smallest 5 feet inside measurement. They were made of boiler steel, $\frac{3}{8}$ inch thick, in one sheet lapped and fastened with one row of rivets. When placed in position in the tunnel, each cylinder lapped over the adjoining one 6 inches. The whole length of the tunnel was 35 feet between the plank bulkheads at each end. There were 7 feet 6 inches of roof between the under side of the bottom of the aqueduct and the steel cylinders. It was 27 feet from the top of the embankment to the bottom grade line of excavation.

The material was a coarse loose gravel, containing stones of all sizes up to 2 cubic feet. One jack-screw properly applied did all the work. This method of construction is a great success, and avoids any settlement of the material under the aqueduct. The excavating was done when the cylinder was hard pressed against the gravel. The gravel around the edge of the cylinder was first scraped away with trowels and

a sharp pointed hammer; the central portion would then fall of itself. When large stones were met partially outside the line of the cylinders, they were carefully removed and the cavities filled with stiff cement. Two men at the jack-screw outside and two men in the cylinders did all the work. The tunnelling was all done from one end. It was found important to have each cylinder 2 inches smaller than the preceding one in order to keep the alignment true. The average time of driving each cylinder, excavating the gravel and removing the same was $12\frac{2}{3}$ hours.

After the tunnel was completed, the sewer and underdrain were built inside of it, and all spaces filled with masonry.

This same method has since been tried on the Cochituate aqueduct in the presence of water, the water being first lowered by pumping, so that the excavation was comparatively dry.

COCHITUATE AQUEDUCT.

*Grades, 121.03 at Lake; 116.77 at Brookline Reservoir.
Length, 14.60 miles; Size, 5 ft. $\times$ 6 ft. 4 in.; Capacity, 20,000,000 gals. in 24 hours.*

This aqueduct has been in constant use during the year, except from 5 P.M., April 5, to 5 A.M., April 9, when the flow was stopped for cleaning the interior.

A depth of $6\frac{1}{2}$ feet has been maintained in the aqueduct, except for the last six days of December, when the lake was not high enough to furnish this flow.

The aqueduct was cleaned from the gate-house at Lake Cochituate to the influent gate-house at Chestnut-Hill Reservoir on April 6, 7 and 8. From the lake to Station 10 + 00, Division 1, there was found a large quantity of moss, some Spongilla, and a black deposit about one inch in depth. To Station 27 + 00 the Spongilla was increasing, the moss decreasing, and the deposit about the same. From Station 27 + 00 to Station 130 + 00, Division 1, the Spongilla and deposit were decreasing, and there was no moss. From Station 130 + 00 to the Charles-river bridge the Spongilla and deposit gradually decreased. From Charles-river bridge to the influent gate-house there was a considerable deposit, but not much Spongilla.

The part of the aqueduct from the influent gate-house to Brookline reservoir was not cleaned, as the water could not be shut off from that section.

The sewer at Newton Highlands, which was mentioned as passing under the Sudbury-river aqueduct, also crosses the line of this aqueduct. The tunnel was driven by the method already described, but in this case pumping was necessary to keep down the water.

Another sewer has been laid across the aqueduct on the Newton Boulevard, opposite Irving street, Newton Centre. In order that the sewer might be perfectly tight it consisted here of a 10 inch iron pipe, 43 feet long, with lead joints. The sewer and the 6-inch earthen sub-drain are surrounded by from 6 inches to 10 inches of American cement concrete.

A private sewer, 8 inches in diameter, crossing the aqueduct about 1,200 feet west of the Chestnut-Hill reservoir grounds has been made secure in the same way as the preceding.

A new iron ladder has been put in the Newton Centre Waste Weir, and all the iron work there scraped and painted with one coat of asphalt paint.

The bushes along the line of the aqueduct have been mowed for a width of about 60 feet from Lake Cochituate to Newton Centre, a distance of about $10\frac{1}{2}$ miles.

The bound stones from Wellesley to Lake Cochituate have been examined, and those which had been disturbed by frost have been reset. Missing bound stones along the whole length of the aqueduct should be replaced.

CHESTNUT-HILL RESERVOIR.

Grades, H. W., 125.00; Dam, 128; Effluent pipes, 99 80.

Area, Lawrence Basin, 37.5 acres; Contents, 166,000,000 gals.; Area, Bradlee Basin, 87.5 acres; Contents, 391,000,000 gals.

Total Contents above grade, 100.00, 557,000,000 gals.

The extension of Commonwealth avenue, which cut through a portion of the driveway, has necessitated the removal of the arch, which marked the beginning of the driveway. It was taken down in June, and the stones numbered and piled on the reservoir grounds.

The stone wall on South street, near the Lawrence basin, which had to be removed, on account of the construction of the Commonwealth-avenue boulevard through a portion of South street, has been rebuilt by the Street Department.

A pipe has been laid to the stable, for the purpose of protecting it in case of fire. The necessary hose and connections have been provided.

An extensive series of experiments was made in the spring on the flow of water through the 36-inch force main leading to Fisher Hill Reservoir, with velocities ranging from 0.5 to 4.5 feet per second. The quantity of water flowing was measured at the 10-foot weir at Fisher Hill. The frictional loss was found to be much larger than had been anticipated. The coefficient c in the Chezy formula, $v = c (RS)^{\frac{1}{2}}$ was found to be as low as 113, although the pipe had been laid less than two years. To determine, if possible, the cause of

this great frictional loss the pipe was partially drained, and entered at one end. The interior surface was found to be somewhat tuberculated, and entirely covered with a slimy growth of one of the protozoa. More than a third of the surface felt roughly granular, as though covered with incipient tubercles.

A 100-foot standard of length has been established at Chestnut-Hill Reservoir for the purpose of testing measuring tapes. The standard consists of a steel bar one inch by one-quarter inch in cross section, resting on rolls one foot apart. It is supported by a bench, built along the side of the manure shed, at an average height of about four feet from the ground. It is provided with covers to protect the steel from the weather. It is graduated every ten feet on silver discs set into the steel. The graduations were obtained from the United States standard at Washington by two steel tapes which had been tested by the United States Coast and Geodetic Survey. A long series of comparisons of these tapes with the bar as graduated was made, for the purpose of determining the true length of the bar. The results were adjusted by the method of least squares, giving

100 feet — .0061 inch $\pm$.0019 inch
as the length of the bar at 62° Fahr.

A simple and inexpensive apparatus for cleaning mercury, devised by Professor Crafts, and extensively used at the Massachusetts Institute of Technology, has been set up for the purpose of purifying the mercury used in our pressure gauges, and has proved entirely satisfactory.

The average number of organisms for the year in samples of water collected at the effluent gate-house was 224 per c.c. The average number of organisms in samples taken from the surface, mid-depth, and bottom, near the centre of the reservoir for nine months, was 245 per c.c. The organisms have as usual followed closely those of the sources from which the water was drawn.

The average number of organisms for the year at the taps in the city was 182 per c.c., as against 142 in 1895.

CHESTNUT-HILL PUMPING STATION.

By your order, dated May 27, this pumping-station, formerly in the Eastern Division, was placed in my charge, beginning June 1.

Since that date the electric plant has been entirely overhauled, a new dynamo and engine installed, and the wir-

ing put in proper condition under the supervision of the Commissioner of the Electrical Division, Public Buildings Department.

Extensive repairs have been made by the Lockwood Manufacturing Company on Gaskill Engine No. 1, extending through the months of November and December.

The coal-hoist has been improved by extending the platform and removing the old hopper, so that the bucket can be filled from the cars, thus doing away with one handling of the coal.

A Cochrane Separator for removing the oil from the feed-water has been put in. An oil-filter has been set up, and a new exhaust-pipe put in to heat the oil to be filtered. The Belpaire boiler was boiled out to remove the oil which had accumulated.

New Johns grates have been put under the Belpaire boiler.

A measurement over the Fisher Hill Weir of the water pumped by Engine No. 3 showed a slip of nearly 8 per cent. An examination of the pumps was accordingly made, and it was found that the plungers had worn so that there was a considerable space around them. Plans are now being made by Mr. E. D. Leavitt for stuffing boxes for the plungers.

A large increase in the capacity of the pumping-plant will soon be required. The Metropolitan Water Board will before the end of 1897 assume control of the pumping station.

BROOKLINE RESERVOIR.

Grade, H. W., 125.00; Area, 12 acres; Greatest Depth, 24 feet; Contents, 119,583,960 gals.

Everything in connection with this reservoir is in good condition. No work other than maintenance has been done at this point during the year.

For a number of years there has been a disagreement with the Assessors of Brookline, regarding the taxes assessed by them on lands of the city of Boston, lying in the town of Brookline. An understanding with the Town Engineer has been reached, according to which the areas taxable in Brookline are as stated by him in a communication to the Board of Assessors, of which the following is a copy:

TOWN OF BROOKLINE, OFFICE OF TOWN ENGINEER.

TOWN HALL, BROOKLINE, MASS., Sept. 19, 1896.

To the Assessors of Brookline:

GENTLEMEN: On the 28th of July, at the request of your Board, I furnished you a statement of areas of lands in Brookline, owned by the city of Boston for water-works purposes.

Those areas were made up from the best data then at hand. More recently, Mr. FitzGerald has kindly placed at my disposal data taken from the original records of lands purchased and taken, which modify to some extent the areas above referred to, so that for the purposes of assessment, the following areas should be used :

The Boston Reservoir, Boylston street, about	1,447,576 sq. ft.
Aqueduct location from Chestnut Hill avenue to	
High-Service Pumping Station, about	299,593 " "
Water-pipe location, Beacon street to Sumner	
Road, about	232,880 " "
Fisher-Hill Reservoir land, about	459,670 " "
Total	2,439,719 sq. ft.

Respectfully,

ALEXIS H. FRENCH,
Town Engineer.

FISHER-HILL RESERVOIR.

*Grades, H. W., 241.00; Pipe inverts, 220.00; Depth, 21 feet; Contents, 15,400,000
above 223*

This high service reservoir is in good condition. It has been maintained by the Chestnut-Hill Reservoir force.

The wooden flap valve over the end of the branch pipe, leading to the 10-foot weir, was found to be leaking badly. It has accordingly been removed and rebuilt, and is now perfectly tight.

The 5-foot measuring weir in the gate-house was found in very bad condition, so that it could not be used. It was therefore torn out, and a new one built in October. The crest of the new weir is about 1.70 feet higher than that of the old one, so that the reservoir need not be drawn so low as was formerly necessary in order to use the weir. The screens for "smoothing" the water as it approaches the weir are built in sections, and are so constructed that they can be removed from the gate-house when not needed, thus removing a slight obstruction to the flow of the water.

INSPECTION OF WATER SOURCES.

The following is a summary of the work of the inspection of pollution department for the year 1896 :

Total number of cases inspected	597
Old cases	586
New cases	11

Present condition of all cases :

Remedied	.	.	.	.	.	.	147
Present safe	.	.	.	.	.	.	387
Seem safe	.	.	.	.	.	.	36
Suspected	.	.	.	.	.	.	8
Unsatisfactory	.	.	.	.	.	.	19
Legal notices, 9.							

No legal injunctions were necessary during the year.

BIOLOGICAL LABORATORY.

During the year 1896, 1,568 microscopical examinations of water were made at the laboratory. Of these, 1,401 were of the regular weekly samples, and 167 were in connection with special investigations of the sources of supply.

The usual number of bacteriological examinations were made, and it is hoped that in the future more prominence may be given to this side of the work. The work in bacteriology has been greatly facilitated by the introduction of gas into the laboratory and the use of a thermostat for growing cultures at 98° Fahr.

Special attention has been given during the year to the indications obtained by the analyses of the regular samples collected from the different sources of supply, with a view of tracing the different growths of algæ to their original sources and studying the causes. These investigations have been made the subject of special reports. As examples, may be mentioned the investigation of the connection between the presence of *Uroglena* in Chestnut-Hill Reservoir and Lake Cochituate, and the growth of Infusoria in the pockets at the head of Reservoir 6; the influence of the work on Dam No. 5 on the water of Reservoir 3.

The estimation of the degree of turbidity by means of a disc, containing alternate dark and light quadrants, was studied in Lake Cochituate.

The comparison of the effect of storage in Reservoirs 4 and 6 was continued through the year, and it is hoped that general conclusions can be drawn from the results.

The efficiency of the filter beds at Reservoir 6 was made the subject of study near the close of the year.

Stagnation phenomena have been followed by means of the regular series of temperature observations taken at the different sources.

The extent of circulation and mingling of water from the Cochituate and Sudbury aqueducts in the Chestnut-Hill Reservoir, was investigated by means of an extensive series of color readings.

On account of the proposed increase in the use of Whitehall pond (Reservoir 8) as a source of supply, samples will soon be collected from it regularly for examination.

The following tables give first the average condition of the chemical analyses of the tap water as made under the direction of the State Board of Health, and second the averages of monthly analyses of the sources of supply; then follow biological tables, which are the result of the work in the laboratory at Chestnut-Hill Reservoir. Following these tables are the usual tables of detailed expenditure and rainfall.

Very truly yours,

DESMOND FITZGERALD,

General Superintendent.

Average Condition of Tap Water, Boston, 1896. (State Board of Health.)
PARTS IN 100,000.

LOCALITY.	Color.	RESIDUE ON EVAPORATION.			Chlorine.	NITROGEN.					Oxygen consumed.	Hardness.
		Total.	Loss on ignition.	Fixed.		Albuminoid Ammonia.		Free Ammonia.	Nitrates.	Nitrites.		
						Unfiltered.	Filtered.					
Service pipe Mass. Inst. of Technology.. .. .	0.49 ¹	4.23	1.67	2.62	0.37	.0165	.0142	.0005	.0001	.0155	.5594	1.4

¹ = 0.45 Boston Water Works Standard (Platinum-Cobalt.)

Average of Monthly Analyses, Jan. 1 to Dec. 31, 1896.
PARTS IN 100,000. (STATE BOARD OF HEALTH.)

LOCALITY.	Color.	RESIDUE ON EVAPORATION.			Chlorine.	NITROGEN.					Oxygen consumed.	Hardness.
		Total.	Loss on igni- tion.	Fixed.		Albuminoid Ammonia.		Free Ammonia.	Nitrites.	Nitrates.		
						Unfil- tered.	Filtered.					
Reservoir No. 2, influent.....	0.85	4.13	1.86	2.27	.29	.0244	.0219	.0012	.0001	.0053	.9042	.9
Reservoir No. 2, near outlet, 8 feet below surface.....	0.74	4.08	1.86	2.22	.30	.0233	.0197	.0011	.0001	.0051	.8361	.9
Reservoir No. 3, near outlet, 1 foot below surface.....	0.94	7.47	2.50	4.97	.41	.0318	.0254	.0059	.0003	.0188	.9444	2.3
Reservoir No. 3, near outlet, 8 feet below surface.....	0.66	5.04	1.84	3.20	.37	.0234	.0193	.0031	.0001	.0186	.6567	1.7
Reservoir No. 4, influent.....	1.17	4.74	2.37	2.37	.26	.0285	.0260	.0011	.0000	.0034	1.2150	1.0
Reservoir No. 4, near outlet, 1 foot below surface.....	0.70	3.71	1.76	1.95	.25	.0228	.0199	.0007	.0000	.0024	.8413	.9
Reservoir No. 4, bottom 1.....	0.73	4.07	1.89	2.18	.26	.0213	.0186	.0012	.0000	.0039	.8840	1.0
Reservoir No. 6, influent.....	1.37	5.95	3.04	2.91	.49	.0337	.0309	.0020	.0001	.0039	1.5225	1.3
Reservoir No. 6, near outlet, 1 foot below surface.....	0.64	3.86	1.74	2.12	.32	.0208	.0175	.0017	.0001	.0040	.7126	.9
Reservoir No. 6, bottom.....	0.63	3.82	1.75	2.07	.35	.0189	.0164	.0013	.0001	.0050	.7154	.9
Lake Cochituate, gate-house.....	0.29	4.88	1.65	3.23	.50	.0176	.0145	.0012	.0002	.0131	.4469	1.9
Service Pipe, Mass. Inst. Tech., Boston.....	2 0.49	4.29	1.67	2.62	.37	.0165	.0142	.0005	.0001	.0155	.5594	1.4
Mystic Lake.....	0.16	11.71	2.46	9.25	1.68	.0220	.0134	.0016	.0008	.0568	.2756	4.3

¹ Average for nine months.² = 0.45 Boston Water Works Standard (Platinum-Cobalt.)

Lake Cochituate, 1896.

MONTH.	ORGANISMS. ¹					AMORPHOUS. ¹					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Willow Br.	Sur.	Mid.	Bot.	Mean.	Willow Br.	
January.....	305	375	472	384	24	181	174	221	192	111	Diatomaceæ and a few Infusoria.
February.....	180	196	215	197	25	204	189	438	280	216	
March.....	92	159	182	144	244	192	136	106	145	279	
April.....	457	465	430	451	230	177	206	201	195	264	Diatomaceæ and a few Infusoria.
May.....	642	352	405	466	202	129	204	261	198	181	
June.....	600	406	303	436	242	225	194	282	234	182	
July.....	232	880	587	566	463	121	216	487	275	165	{ Chlorophyceæ. Diatomaceæ. Cyanophyceæ. }
August.....	141	1,978	278	799	243	148	420	591	386	173	
September.....	244	236	912	464	205	160	391	2,540	1,030	154	
October.....	518	351	163	344	298	198	247	2,337	927	157	{ Infusoria. Cyanophyceæ. Infusoria decreasing. Cyanophyceæ. Diatomaceæ. Diatomaceæ. Cyanophyceæ. }
November.....	1,200	1,197	1,131	1,176	99	331	338	1,476	712	167	
December.....	1,467	1,289	1,447	1,401	125	285	289	498	357	160	
Mean.....	507	657	544	569	200	196	250	787	411	184	{ Crenothrix after overturn of the water. Diatomaceæ. Cyanophyceæ. Diatomaceæ. Cyanophyceæ. }

¹ Standard units per c.c.

Reservoir 2, 1896.

MONTH.	ORGANISMS. ¹					AMORPHOUS. ¹					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
January.....	13	21	17	17	13	131	119	159	136	139	Diatomaceæ most abundant during the late spring and early summer.
February.....	16	10	35	20	15	123	129	169	140	97	
March.....	23	14	13	17	17	142	138	150	143	135	
April.....	115	135	91	114	116	157	156	176	163	149	Chlorophyceæ present in small numbers during summer.
May.....	105	168	130	134	164	213	146	135	165	250	
June.....	267	287	231	262	83	273	253	327	284	342	
July.....	100	145	86	110	99	200	218	317	245	196	Infusoria present in small numbers throughout the greater part of the year.
August.....	141	373	63	192	51	145	214	217	192	189	
September.....	62	55	82	66	44	166	169	206	180	190	
October.....	52	25	52	43	23	209	217	248	225	139	
November.....	56	140	66	87	111	123	196	135	151	98	
December.....	93	71	74	79	74	139	156	152	149	154	
Mean.....	87	120	78	95	68	168	176	199	181	173	

¹ Standard units per c.c.

Reservoir 3, 1896.

MONTH.	ORGANISMS. ¹					AMORPHOUS. ¹					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
January.....	36	31	33	33	9	138	133	217	163	365	Diatomaceæ were present in small numbers in May and were abundant from October until the last of the year.
February.....	20	6	15	14	2	214	208	194	205	331	
March.....	18	14	20	17	5	453	304	480	412	314	
April.....	272	333	273	293	123	147	111	146	135	122	
May.....	66	85	139	97	111	381	380	537	433	1,229	Infusoria were most abundant in April and May.
June.....	219	308	238	255	89	263	378	338	326	2,559	
July.....	815	622	591	676	37	198	199	226	208	1,610	
August.....	1,269	939	993	1,067	105	252	255	371	293	658	
September.....	890	703	832	808	66	218	322	273	271	3,606	Chlorophyceæ and Granophyceæ present from June until October. Cætosphaerium 2,140 on the last of August.
October.....	1,163	1,438	1,110	1,237	129	263	349	406	339	1,022	
November.....	956	949	1,160	1,022	165	188	181	275	215	566	
December.....	562	479	566	536	69	254	208	217	226	608	
Mean.....	524	467	498	506	76	247	252	307	269	1,083	

¹ Standard units per c.c.

Reservoir 4, 1896.

MONTH.	ORGANISMS. ¹					AMORPHOUS. ¹					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
January	14	37	20	24	3	66	182	138	129	48	Diatomaceæ, mainly Cyclotella, present throughout the year. The maximum number reached in December.
February	15	8	16	13	7	175	118	119	137	78	
March	12	5	7	8	18	169	211	228	203	106	
April	76	89	80	82	61	103	74	148	108	75	
May	172	103	34	103	89	127	137	148	137	136	Chlorophyceæ present in small numbers in July.
June	175	92	25	97	62	107	100	126	111	150	
July	108	8	48	55	98	117	165	169	150	175	
August	37	27	60	41	12	107	158	155	140	158	
September	30	54	48	44	79	398	254	292	315	99	
October	50	67	84	67	78	309	330	427	357	378	
November	171	232	217	207	121	151	153	173	159	102	
December	273	570	629	491	56	151	163	178	164	129	
Mean	94	108	106	103	57	165	170	192	176	136	

¹ Standard units per c.c.

Basin 6, 1896.

MONTH.	ORGANISMS. ¹					AMORPHOUS. ¹					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
January.....	10	12	15	12	25	82	84	105	90	77	Diatomaceæ present in small numbers throughout the year.
February.....	8	3	3	5	1	121	105	130	118	56	
March.....	7	4	4	5	13	173	164	166	168	157	
April.....	64	33	28	42	126	146	140	127	138	88	Maximum growth in September.
May.....	111	86	29	75	206	164	215	222	200	156	
June.....	158	82	66	102	89	173	114	167	151	161	Infusoria present in small numbers throughout the greater part of the year.
July.....	213	42	18	91	366	131	133	179	144	208	
August.....	482	62	48	197	244	132	154	166	151	199	
September.....	670	519	414	634	300	488	261	430	393	122	Chlorophyceæ and Cyanophyceæ June to September.
October.....	250	236	348	228	42	209	249	282	247	97	
November.....	190	176	186	184	43	179	196	185	187	85	
December.....	105	164	89	119	17	136	148	175	153	85	
Mean.....	189	118	104	137	106	178	164	195	178	124	

¹ Standard units per c.c.

Gate-Houses and Taps, 1896.

MONTH.	CHESTNUT HILL RESERVOIR.						BROOKLINE GATE-HOUSE.		TAPS IN CITY.			
	Organisms. ¹						Organisms. ¹	Amorphous. ¹	Organisms. ¹		Amorphous. ¹	
									Park Sq.	Mattapan.	Park Sq.	Mattapan.
	Sudbury.	Cochituate.	Effluent.	Sudbury.	Cochituate.	Effluent.	Organisms. ¹	Amorphous. ¹	Park Sq.	Mattapan.	Park Sq.	Mattapan.
January.....	23	193	66	116	131	168	78	178	71	39	119	79
February.....	16	130	62	153	171	218	36	137	46	24	127	234
March.....	10	75	52	146	121	158	48	123	38	.....	124	
April.....	68	376	243	135	226	194	182	149	194	.....	131	
May.....	164	583	286	843	161	191	276	283	168	.....	206	
June.....	252	616	348	256	240	198	350	258	339	.....	265	
July.....	97	187	442	269	284	211	588	261	325	.....	236	
August.....	300	109	201	377	162	187	130	222	249	.....	275	
September.....	79	109	153	343	165	179	111	187	112	.....	179	
October.....	103	499	206	325	160	196	283	211	158	.....	183	
November.....	116	853	254	257	286	199	230	149	187	.....	195	
December.....	170	1,449	379	189	290	151	572	216	293	.....	175	
Mean.....	117	432	224	284	200	188	240	198	182	.....	185	

¹ Standard units per c.c.

Chestnut-Hill Reservoir, 1896.

MONTH.	ORGANISMS. ¹				AMORPHOUS. ¹			
	Sur.	Mid.	Bot.	Mean.	Sur.	Mid.	Bot.	Mean.
January	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—
April	260	182	191	211	163	163	148	158
May	154	239	160	184	204	199	222	208
June	481	483	266	410	234	193	418	282
July	414	367	151	311	196	201	215	204
August....	229	202	74	168	233	184	1,148	522
September	117	151	124	131	162	170	690	341
October	177	194	222	198	219	195	228	214
November.....	246	286	228	258	179	188	295	221
December	363	324	321	336	214	205	210	210
Mean.....	271	270	193	245	200	189	397	262

¹ Standard units per c.c.

Temperature (Fahrenheit), 1896.

MONTH.	LAKE COCHITICATE.				BASIN 2.				BASIN 3.				BASIN 4.				BASIN 6.							
	Sur.	Mid.	Bot.	Mean.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.					
January.....	33.9	35.4	36.4	35.2	32.3	33.2	33.9	33.1	32.3	32.4	33.4	34.1	33.3	32.3	33.1	35.3	35.3	34.9	32.5	32.7	34.2	36.2	34.4	32.4
February.....	33.7	35.7	37.2	35.5	32.4	33.4	34.5	33.4	32.4	32.5	33.7	34.7	33.6	32.4	34.0	36.5	38.2	36.2	32.7	33.1	35.4	38.7	35.7	32.5
March.....	.....	.....	.....	.....	33.4	34.7	35.8	34.6	33.3	33.5	35.1	36.1	34.9	32.9	34.5	36.5	39.5	36.8	34.2	32.5	35.8	39.5	35.9	32.9
April.....	46.4	40.5	39.7	42.2	54.8	48.9	47.5	50.4	50.9	48.5	47.3	46.0	47.3	48.6	47.9	42.0	41.3	43.7	51.8	46.8	41.4	40.9	43.0	49.5
May.....	63.4	42.3	40.8	48.8	65.0	63.0	61.6	63.2	66.2	64.7	63.1	61.7	63.2	64.3	63.6	49.4	43.1	52.0	61.3	63.0	46.5	43.7	51.5	60.0
June.....	68.5	42.8	40.8	50.7	68.5	67.5	66.6	67.5	66.4	68.5	67.6	67.0	67.7	65.7	68.2	51.7	43.6	54.5	62.2	68.8	48.9	45.1	54.3	62.8
July.....	74.4	43.2	40.9	52.8	74.8	73.5	72.4	73.6	72.1	75.5	74.0	73.1	74.2	73.2	74.9	50.1	43.7	56.2	72.4	73.2	48.2	43.9	55.1	66.3
August.....	76.4	43.7	41.2	53.8	74.6	73.4	72.6	73.5	69.2	75.9	74.8	73.8	74.8	73.2	76.0	70.0	54.2	66.7	72.7	74.2	55.7	45.1	58.3	67.8
September.....	65.1	44.3	41.4	50.3	64.7	64.1	63.3	64.0	63.8	65.8	65.2	63.9	65.0	63.2	65.2	63.9	63.3	64.1	59.6	63.3	63.2	60.3	62.3	62.6
October.....	51.9	48.0	41.8	47.2	50.8	50.2	49.6	50.2	48.2	51.3	50.7	50.2	50.7	46.7	51.5	51.5	51.5	51.5	47.2	48.4	48.2	48.0	48.2	44.8
November.....	46.6	46.6	42.5	55.2	46.5	46.0	45.4	46.0	44.8	45.9	45.4	44.9	45.4	44.2	46.8	46.8	46.8	46.8	41.5	42.2	43.1	42.7	42.7	39.0
December.....	44.1	44.1	44.1	44.1	36.2	36.8	37.6	36.9	35.3	36.9	37.4	37.9	37.4	35.9	37.9	38.1	38.1	38.0	35.9	36.2	37.4	37.5	37.0	33.6
Mean.....	54.9	42.4	40.6	46.0	52.8	52.1	51.7	52.2	52.1	52.6	52.3	51.9	52.3	51.5	52.8	47.7	45.0	48.5	50.3	51.2	44.9	43.5	46.5	48.6

Temperatures (Fahrenheit), 1896.

MONTH.	CHESTNUT HILL RESERVOIR GATE-HOUSES.			CHESTNUT HILL RESERVOIR.			BR'K- LINE.	TAPS.	
	Sudbury.	Cochituate.	Effluent.	Surface.	Mid-depth.	Bottom.	Gate-House.	Park Sq.	Mattapan.
January.....	31.6	34.9	33.9	.....	.....	.....	35.0	36.0	39.4
February.....	34.8	36.7	35.2	.....	.....	.. ..	35.6	36.0	38.0
March.....	35.4	37.5	35.2	.....	.....	.....	36.0	37.7	
April.....	46.4	45.2	45.7	48.1	47.4	43.2	47.3	46.3	
May.....	62.9	61.9	61.4	62.8	59.7	50.9	62.8	60.0	
June.....	66.7	66.3	66.9	68.8	66.3	49.7	67.0	65.5	
July.....	72.3	73.2	73.5	75.1	72.3	54.1	73.1	72.6	
August.....	72.0	74.3	73.9	79.2	75.3	54.7	74.4	73.9	
September.....	66.1	67.1	67.1	67.8	65.0	60.4	66.9	66.5	
October.....	52.7	53.4	53.8	52.9	52.6	52.1	53.6	54.4	
November.....	46.7	48.3	47.8	48.1	48.0	47.5	47.4	48.9	
December.....	39.6	41.2	40.8	.....	.....	.....	39.4	41.4	
Mean.....	52.5	53.3	52.9	.....	.....	.....	53.2	53.3	—

Color, 1896. (Platinum Standard.)

MONTH.	LAKE COCHITUATE.					BASIN 2.					BASIN 3.					BASIN 4.					BASIN 6.				
	Sur.	Mid.	Bot.	Mean. ¹	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.
January	.34	.34	.35	.34	.72	.70	.72	.70	.71	.71	.74	.72	.73	.73	.77	.93	.93	.93	.93	.90	.88	.86	.86	.87	1.12
February	.41	.40	.50	.44	.61	.63	.63	.65	.64	.64	.66	.66	.66	.66	.74	.83	.86	.86	.85	.74	.79	.85	.85	.83	.85
March.....	.49	.44	.46	.46	.52	.52	.52	.52	.52	.50	.62	.60	.63	.62	.58	.66	.75	.78	.73	.65	.63	.70	.75	.69	.58
April.....	.43	.44	.45	.43	.83	.53	.54	.53	.53	.67	.53	.52	.52	.52	.91	.63	.63	.63	.63	.79	.59	.59	.60	.59	1.10
May	.35	.38	.42	.38	.89	.63	.63	.63	.63	.80	.60	.60	.61	.60	1.11	.65	.63	.63	.64	1.07	.53	.54	.54	.54	1.34
June	.31	.37	.74	.47	.66	.67	.67	.67	.67	.86	.65	.65	.66	.65	1.44	.65	.63	.62	.63	1.24	.52	.52	.52	.52	1.89
July.....	.23	.31	1.06	.53	.50	.66	.66	.66	.66	.64	.64	.64	.64	.64	.87	.55	.55	.56	.55	.72	.46	.46	.46	.46	1.21
August	.20	.43	1.77	.80	.41	.51	.51	.51	.51	.50	.56	.59	.63	.59	.58	.45	.47	.49	.47	.71	.43	.42	.46	.44	.98
September	.20	.43	2.00	.88	.83	.45	.46	.46	.46	.61	.44	.45	.46	.45	.87	.44	.44	.46	.45	1.00	.40	.41	.45	.42	1.56
October	.23	.32	2.49	1.01	1.02	.89	.90	.90	.90	1.14	.51	.51	.51	.51	.....	.63	.63	.64	.63	1.33	.43	.43	.43	.43	1.57
November	.35	.35	1.40	.70	.90	1.01	1.01	1.02	1.01	1.09	.65	.65	.65	.65	.....	.83	.83	.83	.83	1.31	.66	.66	.66	.66	1.56
December	.33	.34	.36	.34	.80	1.02	1.02	1.02	1.01	1.01	.81	.82	.82	.82	1.11	.92	.92	.93	.92	1.43	.87	.87	.88	.87	1.30
Mean.....	.32	.38	1.00	.57	.73	.69	.69	.69	.69	.76	.62	.62	.62	.62	.75	.68	.69	.70	.69	.99	.60	.61	.62	.61	1.26

¹ This does not fairly represent the average color, as the high color of the bottom represents but a very small proportion of the water of the lake.

Colors, 1896. (Platinum Standard.)

MONTH.	CHESTNUT HILL RESERVOIR GATE-HOUSES.			CHESTNUT HILL RESERVOIR.			BR'K- LINE.	TAPS.	
	Sudbury.	Cochituate.	Effluent.	Surface.	Mid depth.	Bottom.	Gate-House.	Park Square.	Matapan.
January.....	.74	.36	.66	.....	.....	.....	.59	.66	.60
February.....	.60	.42	.58	.....	.....	.....	.55	.58	.54
March.....	.53	.45	.51	.....	.....	.....	.50	.50	
April	.50	.41	.43	.43	.42	.43	.42	.43	
May.....	.61	.32	.43	.42	.42	.41	.44	.42	
June	.66	.31	.43	.43	.43	.42	.46	.44	
July.....	.65	.24	.44	.44	.44	.44	.46	.44	
August.....	.53	.20	.42	.39	.40	.73	.40	.40	
September.....	.43	.19	.33	.32	.33	.56	.32	.33	
October.....	.74	.21	.36	.38	.39	.39	.42	.43	
November.....	1.00	.31	.54	.56	.55	.55	.63	.57	
December.....	.90	.32	.63	.62	.62	.62	.62	.65	
Mean.....	.66	.31	.48	.44	.44	.56	.48	.49	

Maintenance of Western Division for 1896-97.

DRAFTS.	Western Division.	Basins.	Subbury Aqueduct.	Cochituate Aqueduct.	Lake Cochituate.	Pegan Filters.	Chestnut-Hill Reservoir.	Chestnut-Hill Driveway.	Brookline Reservoir.	Fisher-Hill Reservoir.	Biological Department.	Inspection Department.	High Service Chestnut-Hill.	Total.
February 1, 1896.....	\$350 01	\$880 88	\$252 64	\$25 00	\$110 70	\$213 83	\$85 64	\$82 63	.....	\$1 85	\$69 98	\$233 17	\$1,762 09	\$3,548 42
March 1, "	971 46	628 35	718 45	218 25	180 15	331 41	1,768 12	1,264 32	\$351 00	234 75	322 88	686 89	2,340 76	10,016 29
April 1, "	988 91	738 54	738 01	114 88	188 63	298 68	987 73	1,268 09	123 00	46 00	333 04	665 62	5,099 53	11,590 66
May 1, "	1,198 61	673 02	609 71	586 39	188 04	308 33	1,064 60	989 57	107 50	143 72	290 88	148 97	1,781 91	8,041 25
June 1 "	1,211 33	1,007 02	1,037 69	255 93	264 98	416 10	1,853 01	921 49	116 75	161 87	420 94	529 28	1,547 24	9,743 63
July 1, "	1,187 85	689 56	679 67	426 54	214 15	387 70	1,406 40	701 40	104 00	77 00	303 02	521 09	1,714 04	8,412 42
August 1, "	1,095 67	846 34	659 38	507 77	262 74	609 53	1,450 52	1,307 26	200 00	223 00	619 66	318 08	1,444 31	9,544 26
September 1, "	1,163 61	832 85	947 08	488 67	241 50	346 10	1,492 59	1,125 55	95 75	409 93	474 89	353 37	5,428 54	13,400 43
October 1, "	1,099 93	944 38	716 61	214 87	372 37	223 84	1,045 80	690 43	162 00	474 81	280 14	540 68	2,034 29	8,800 15
November 1, "	1,214 49	1,402 03	739 19	396 25	377 81	312 42	1,390 17	781 01	155 50	426 92	434 90	551 66	3,363 91	11,546 26
December 1, "	1,082 51	1,761 68	758 48	194 91	644 63	284 11	1,056 01	760 14	87 90	122 90	327 27	548 22	2,305 21	9,983 97
January 1 and 31, 1897..	1,503 60	4,904 28	973 33	542 66	349 10	608 19	2,740 05	1,237 89	194 45	243 70	559 00	903 15	9,690 36	24,449 76
Total for year.....	\$13,967 98	\$14,808 93	\$8,830 24	\$3,972 12	\$3,394 80	\$4,340 24	\$16,320 64	\$11,079 78	\$1,697 85	\$2,566 45	\$4,436 10	\$6,000 18	\$38,512 19	\$129,027 50

¹ Expenditures on High Service Chestnut Hill for the first five months were not under Western Division, but are so given.

**Table of Rainfall at Chestnut-Hill Reservoir for Year ending
December 31, 1896.**

DATE.	Inches.	Snow or Rain.	Duration.	DATE.	Inches.	Snow or Rain.	Duration.
Jan. 7	0.18	Snow.	3.30 p.m. to 8.45 p.m.	Mar. 15	1.33	Snow and rain.	6.50 p.m. to
" 9	0.65	"	1.50 p.m. to	" 16			6.00 a.m.
" 10			5.30 p.m.	" 17			
" 12	0.09	"	5.00 p.m. to 8.00 p.m.	" 19	0.66	Snow and rain.	7.00 a.m. to
" 19	0.07	"	10.15 a.m. to 9.00 p.m.	" 20			3.00 a.m.
" 24	1.78	Rain.	11.40 a.m. to	" 23	0.03	Snow.	5.00 p.m. to 9.30 p.m.
" 25			10.00 a.m.	" 29	0.96	Rain.	9.00 a.m. to
" 25	0.03	"	11.30 a.m. to 3.00 p.m.	" 30			4.00 p.m.
Total.	2.80			Total.	5.53		
Feb. 1	0.54	Snow and rain.	5.30 a.m. to 5.45 p.m.	April 2	0.66	Rain.	3.30 a.m. to 7.00 p.m.
" 3	2.57	"	10.00 p.m.	" 7	0.05	Snow.	3.30 a.m. to 10.00 a.m.
" 4			to	" 17	0.26	Rain.	4.35 p.m. to
" 5				" 18			5.30 a.m.
" 6			7.30 p.m.	" 19	0.43	"	12.30 p.m. to 9.30 p.m.
" 9	0.48	"	6.00 a.m. to 8.00 p.m.	" 21	0.32	Rain and snow.	4.20 p.m. to
" 13	0.45	"	7.45 a.m. to 11.30 p.m.	" 22			3.00 p.m.
" 16	0.12	Snow.	5.30 a.m. to 12.30 p.m.	Total.	1.72		
" 18	0.10	"	7.00 a.m.				
" 19			to 10.30 a.m.				
" 19	0.30	"	7.00 p.m. to 9.15 p.m.	May 3	0.10	Rain.	3.30 p.m. to 5.00 p.m.
" 29	0.89	Rain.	7.00 a.m. to 12.00 mid- night.	" 9	0.03	"	2.45 a.m. to 3.15 a.m.
Total.	5.45			" 19	0.40	"	2.00 p.m. to 3.00 p.m.
				" 21	0.05	"	8.00 a.m. to 3.30 p.m.
				" 26	0.16	"	6.00 a.m. to 3.30 p.m.
Mar. 1	1.73	Rain and snow.	Midnight Feb. 29	" 28	0.59	"	5.00 p.m. to
" 2			to	" 29			7.30 a.m.
" 3			5.00 p.m.	" 31	0.52	"	4.00 a.m. to 10.15 a.m.
" 4	0.10	Snow.	11.30 a.m. to 9.00 p.m.	Total.	1.85		
" 7	0.32	Rain.	6.30 a.m. to 4.30 p.m.				
" 11	0.40	Snow.	12.20 p.m.				
" 12			to 11.00 a.m.				

Table of Rainfall at Chestnut-Hill Reservoir.—*Continued.*

DATE.	Inches.	Snow or Rain.	Duration.	DATE.	Inches.	Snow or Rain.	Duration.
June 7	0.79	Rain.	6.40 a.m.	Aug. 24	0.03	Rain.	3.00 a.m. to 5.00 a.m.
" 8			to	" 3	0.06	"	3.00 p.m. to 4.30 p.m.
" 9			10.15 a.m.	Total.	2.74		
" 10	0.54	"	4.00 a.m. to 3.00 p.m.				
" 14	1.53	"	4.15 a.m. to				
" 15			9.00 a.m.	Sept. 3	0.48	Rain.	7.15 p.m. to 10.15 p.m.
" 17	0.02	"	7.30 a.m. to 9.30 a.m.	" 5	1.67	"	9.00 p.m. to
" 28	0.10	"	7.20 p.m. to 9.30 p.m.	" 6			9.00 p.m.
Total.	2.98			" 9	2.43	"	2.30 p.m. to
				" 10			5.15 p.m.
July 4	0.37	Rain.	9.15 p.m. to	" 10	0.04	"	9.00 p.m. to 9.30 p.m.
" 5			7.00 a.m.	" 13	0.43	"	5.30 a.m. to
" 6	0.57	"	6.45 p.m. to	" 14			11.30 a.m.
" 7			10.00 p.m.	" 17	0.07	"	8.20 p.m. to 9.00 p.m.
" 15	0.93	"	7.50 a.m. to	" 19	0.68	"	4.30 a.m. to 11.15 a.m.
" 16			7.30 a.m.	" 19	0.46	"	6.15 p.m. to 11.00 p.m.
" 20	0.20	"	3.35 p.m. to	" 22	0.07	"	11.30 a.m. to 7.00 p.m.
" 21			8.45 a.m.	" 30	0.83	"	3.00 a.m. to 9.30 a.m.
" 23	0.13	"	12.45 a.m. to 6.00 a.m.	Total.	7.16		
" 24	0.60	"	2.25 p.m. to				
" 25			11.30 a.m.	Oct. 2	0.03	Rain.	9.15 a.m. to 3.30 p.m.
" 27	0.08	"	9.45 a.m. to 11.30 a.m.	" 4	0.47	"	9.30 a.m.
" 30	0.12	"	3.40 a.m. to 11.00 a.m.	" 5			to
Total.	3.00			" 6			10.00 a.m.
				" 7	0.02	"	9.15 a.m. to 2.30 p.m.
Aug. 2	0.90	Rain.	3.00 a.m. to 9.30 a.m.	" 12	1.27	"	8.00 p.m. to
" 5	0.15	"	3.15 p.m. to 3.30 p.m.	" 13			9.30 p.m.
" 5	0.66	"	8.10 p.m. to	" 15	0.51	"	1.00 a.m. to 5.45 p.m.
" 6			2.45 a.m.	" 18	0.14	"	4.30 p.m. to 10.00 p.m.
" 6	0.15	"	8.30 p.m. to 11.30 p.m.	" 23	1.02	"	6.30 p.m. to
" 13	0.22	"	6.40 a.m. to 7.00 a.m.	" 24			9.00 a.m.
" 18	0.33	"	3.55 p.m. to 6.00 p.m.	" 29	0.03	"	9.30 a.m. to 12.30 p.m.
" 22	0.13	Rain.	1.00 a.m. to 6.30 a.m.	Total.	3.49		
" 23	0.11	"	12.15 p.m. to 1.15 p.m.				

Table of Rainfall at Chestnut-Hill Reservoir. — *Concluded.*

DATE.	Inches.	Snow or Rain.	Duration.	DATE.	Inches.	Snow or Rain.	Duration.
Nov. 5	1.05	Rain.	1.00 a.m. to 10.00 p.m.	Nov. 29	0.28	Snow.	8 00 p.m. to
" 8	0.50	"	10.15 a.m. to 6.00 p.m.	" 30			4.00 a.m.
" 11	0.06	"	2.20 p.m. to 7.30 p.m.	Total.	3.61		
" 12	0.03	"	3.30 p.m. to 5.00 p.m.				
" 13	0.32	Rain and snow.	12.20 p.m. to	Dec. 5	0.02	Snow.	1.00 a.m. to 2.00 a.m.
" 14			3.00 a.m.	" 8	0.98	Rain.	9.00 p.m. to
" 21	0.48	Snow and rain.	11.30 a.m. to	" 9			1.15 p.m.
" 22			4.00 a.m.	" 16	0.47	Snow.	2.00 a.m. to 6.30 p.m.
" 24	0.03	Rain.	8.15 a.m. to 5.00 p.m.	" 18	0.12	Rain.	6.10 p.m. to 10.00 p.m.
" 26	0.30	"	1.00 a.m. to 6.00 p.m.	" 22	0.30	Snow.	11.30 p.m. to
" 28	0.56	Rain.	1.45 p.m. to	" 23			5.00 p.m.
" 29			6.00 a.m.	Total.	1.89		

NOTE. — Total Rainfall for the Year, 42.22 Inches.

REPORT OF THE SUPERINTENDENT OF THE
EASTERN DIVISION.

OFFICE OF SUPERINTENDENT OF EASTERN DIVISION,
710 ALBANY STREET, BOSTON, Feb. 1, 1897.

HON. JOHN R. MURPHY,

Water Commissioner :

The annual report of the Eastern Division for the year ending Jan. 31, 1897, is respectfully submitted.

During the year the Mystic Division was consolidated with the Eastern Division. A summary of the work of both divisions will therefore be given in this report, that of Somerville, Chelsea and Everett being mentioned apart from that of the city of Boston.

MAIN PIPE.

City of Boston : There were laid in the city of Boston during the year 35.4 miles of main pipe, nine miles more than were laid last year. Of the above amount, 8,655 feet were laid for private parties, and are not included in the total length of our system. Nine and eight-tenths miles of pipe were abandoned during the year, making the total length of our system (exclusive of Somerville, Chelsea and Everett), 658.9 miles.

Of the 35.4 miles laid, 8.6 miles were relaid, or about three times as much as was relaid during the previous year. Relaying is always a difficult and costly kind of work, and, as much of this year's was in the business portions of the city, the conditions were unusually severe.

The above totals do not include 3,188 feet of main pipe laid and 890 feet abandoned in connection with hydrants, "blow-offs," and reservoirs.

Over the Boston and Albany railroad bridge on Huntington avenue, 227 feet of 42-inch pipe were laid, thus connecting the two sections of the 42-inch high-service main laid in that street last year, and allowing the water to be turned on, supplying the downtown high-service district with additional head.

An isolated section of 36-inch pipe, 522 feet long, was laid in Ruthven street, Roxbury, between Humboldt avenue and Elm Hill avenue. This will be connected with the

section laid last year in Heath street, Roxbury, thus giving the Elm-Hill district sufficient service, and doing away with the necessity of a pumping-station at Wayne street.

In Shirley Gut 540 feet of 8-inch flexible and 871 feet of 8-inch ordinary pipe were laid, and 540 feet of 8-inch flexible and 888 feet of 8-inch ordinary pipe abandoned. Between Squantum and Thompson's Island, 420 feet of 6-inch pipe have been lowered and 100 feet relaid, and at Rainsford Island 660 feet of 6-inch flexible, 2,394 feet of 4-inch flexible, and 824 feet of 4-inch ordinary pipe were laid, and 2,014 feet of 3-inch wrought iron and 510 feet 4-inch ordinary pipe abandoned.

During the year 1,783 feet of main pipe were lowered; and on Tremont street, between Eliot and Boylston, 307 feet of 30-inch pipe were cut off and moved bodily by means of jack-screws and rollers a distance varying vertically, from 0 at one end to 3 feet at the other, and horizontally, from 0 at one end to 4 feet at the other.

The main pipe work as a whole was of an exceedingly difficult nature, occasioned, as it was, by several causes, viz.: The construction of the Subway, which necessitated work of an extraordinary character, done under most unfavorable conditions; the raising of the tracks on the Providence Division of the N.Y., N.H., & H. R.R., on account of which it was necessary to establish temporary mains and relocate permanent ones; and lastly the extension and widening of Blue Hill, Columbus, Commonwealth, and Huntington avenues, which required a large amount of relaying and extension, rendered unusually hard by the great number of connections made with the many streets which either intersect or lead from these avenues.

Somerville, Chelsea and Everett.—The distribution system has been extended by the addition of 128 feet of 3-inch pipe, 19,952 feet of 6-inch pipe, 771 feet of 8-inch pipe, 6,272 feet of 10-inch pipe, 1,084 feet of 12-inch pipe, 48 feet of 16-inch pipe, and 140 feet of 20-inch pipe, making a total of 28,395 feet added to the system. Forty-four thousand four hundred and eighty feet of pipe were relaid, replacing, as a rule, pipe of smaller sizes.

GATES OR STOP-COCKS.

City of Boston.—During the year 594 gates were established, and 145 abandoned. Of the former 14 were "blow-off" and 15 private gates, and of the latter 3 were "blow-off" gates. All gates were inspected, oiled, and, where necessary, repaired.

There are still in service a number of old-fashioned gates with rectangular trunks. They are known as "left-handed" gates on account of the direction in which the gearing works. These are all to be removed during the coming year, and gates of an improved pattern substituted.

Somerville, Chelsea and Everett.—In these cities 180 gates were established and 59 abandoned, showing a net increase of 121, and making the total number of gates in use 1,794.

AIR-COCKS.

City of Boston.—During the year 19 air-cocks were established and 2 renewed.

HYDRANTS.

City of Boston.—Five hundred and twenty-six hydrants were established and 271 abandoned, making a net increase for the year of 255, and a total of 7,066 connected with the system.

We found in service this year more than 100 hydrants of an obsolete type. These hydrants are rapidly being replaced with new ones of an improved type.

Somerville, Chelsea and Everett.—There were established 132 Post-Hydrants, and 38 were abandoned. This shows an increase of 94, making the total number of hydrants in use 1,283, all of which are of the Post pattern.

WATER-POSTS.

City of Boston.—Eight new water-posts were established and one abandoned, making a total of 405 in use Jan. 31, 1897.

Somerville, Chelsea and Everett.—Twenty-eight water-posts were established in these cities, making a total of 96 now in use.

FOUNTAINS.

City of Boston.—One drinking fountain was established at the corner of Cottage and Maverick streets; and one abandoned at Lamartine street, corner of Centre street, Roxbury. Careful attention has been given the fountains during the year, especially in regard to cleanliness.

Somerville, Chelsea and Everett.—Three new drinking-fountains have been added to the number already in use.

SERVICE-PIPES.

City of Boston.—Two thousand eight hundred and eight service pipes (68,547 feet) have been laid during the year,

and 322 (8,057 feet) abandoned, showing a net increase of 2,486 service-pipes (60,490 feet) for the year, and making the total number of pipes now in use 79,518 with a length of 2,240,510 feet. Under the law governing the laying out of new streets, we were obliged to lay to vacant lots, 470 service-pipes with a total length of 10,221 feet, from which no revenue is at present derived.

Somerville, Chelsea and Everett. — Seven hundred and seventy-seven new services were laid, distributed as follows: Somerville, 453; Chelsea, 93; Everett, 231, for which 17,675 feet of pipe were required.

METERS.

City of Boston. — Three hundred and thirty-one meters have been applied, 406 discontinued, 1,520 changed, 441 repaired in service, 254 repaired at factory, and 1,020 repaired in our own shop. The total number now in use is 4,827.

MAINTENANCE.

City of Boston. — We have made 2,796 repairs on pipes during the year. Of those on main pipe we find the most numerous causes to be:

Joints strained by settling in Subway	406
Defective joints	142
Defective stop-cocks	119
Defective packing	54
Of those on service-pipes, which number 1,976, we	
find the causes most prevalent to be rust	486
Settling of earth	219
Relaying of main pipe	251
Construction of Subway	196
Sewer construction	122
Defective pipes	160
Fish	105
Struck by pick	90

A perusal of our statement of miscellaneous work performed will give an idea of how the department spent some of its time and money during the year. It will show among other things that 5,099 gate locations were either marked or re-marked; 2,799 hydrant boxes cleaned out; 1,955 hydrants repaired in service; 841 examinations made on false reports; 570 gate or stop-cock boxes repaired in service; 425 dead-ends blown off; 349 hydrant boxes repaired in service; 284

water-posts repaired; and 212 gate or stop-cock boxes renewed.

All excavations in the streets that were likely to expose our pipes were carefully inspected, with a view of protecting said pipes from damage, and in all cases where corporations were at work laying conduits, etc., in the streets, an inspection was made to prevent encroachment and the covering of our pipes by said corporations.

RESERVOIRS AND STAND-PIPES.

Parker Hill and East Boston are both in good condition.

South Boston. — This reservoir is not in use.

College Hill. — Five hundred and twenty-five feet of the road around the reservoir and 850 feet of Capen street have been macadamized. The banks and walks have received the usual attention.

Breed's Island Stand-pipe. — When the extensive repairs which are in progress on this building are completed, it will be in first-class condition.

Mt. Bellevue Stand Pipe. — This building is in fairly good condition, but will require painting during the coming year. During the summer season it has been open to the public who seem to appreciate the opportunity offered of viewing the surrounding country.

FIRE RESERVOIRS.

During the year on account of the construction of the Subway, the following fire reservoirs were abandoned.

Tremont street at Boylston.

“ “ “ Hollis.

“ “ “ Park.

“ “ “ School.

Hanover “

Haymarket square.

PUMPING-STATIONS.

Mystic. — Engine No. 2 received a thorough overhauling and is in good condition. On Engine No. 3 the foot valve was repaired. On Engine No. 4 a new air-chamber was placed and all the water valves were faced with three-eighth inch rubber. The rock-shaft stand was too weak, so was replaced by a stronger one and braced. The large dash-pot shaft was removed and a lighter one substituted. Metallic packing was put on the piston rods. The dynamo

being defective was replaced by one from Chestnut-Hill station. The boilers received slight repairs, and a new brick floor was laid in the boiler-room. The road on the west side of the pumping station was regraded, a part of the walk in front of the station was concreted, and the railroad track repaired.

West Roxbury. — This station is in good condition. The exhaust steam and coal gas complained of as a nuisance by the residents in the vicinity have been cared for by exhausting into an iron pipe, placed within the chimney. The building and chimney have been pointed and other repairs made.

Wayne Street. — Although a temporary station, improvements have been made during the year, so that at present it answers the required purposes.

East Boston. — This station is in general good condition.

YARDS.

Albany Street. — It has been necessary to enlarge the machine shop and purchase new machinery in order to meet the increased demand for hydrants, gates, and service-fittings. The stable, which was erected in March, 1890, has proved to be very unsafe, and on that account it was necessary to almost entirely reconstruct it. The work is not yet complete, and in the meantime the horses are being cared for in temporary quarters.

Dorchester, Brighton, East Boston, and Charlestown. — These yards have been given the usual attention, and are in good condition.

West Roxbury. — This district is sorely in need of proper headquarters. The present facilities are entirely inadequate. For a year or more it has been necessary to hire a yard at some distance, where extra accommodations could be had. This division of our stock and property between the two yards makes it inconvenient to transact business, and I would earnestly recommend that more ample provision be made for this rapidly growing district.

MYSTIC LAKE.

From January 1 to January 7, water was wasted over the dam, and from January 25 to May 2, and from December 10 to December 25, was wasting almost constantly. On August 24, with the surface 8.73 feet below high water, the pumps were started, and pumping continued until September 9, when the water had risen sufficiently to gravitate to the pumping-station. On September 5, the elevation of the lake was .88 feet above the conduit invert, within 1.79 feet

of the lowest point ever reached. During the year separators were connected with the engines, and a new cylinder was obtained for Engine No. 2, a new floor was laid in engine room No. 2, and the fence on the Arlington road was rebuilt.

The rainfall on the Mystic water-shed for the past twelve months was as follows:

February	5.28	August	2.90
March	5.19	September	7.78
April	1.99	October	3.32
May	2.13	November	3.56
June	2.51	December	2.39
July	2.45	January	3.95
Total	43.45 inches.		

CONDUIT.

The two gates in the gate-chamber were repaired. New valve rods were substituted and the gearing rearranged. The old ten to one gears were replaced by gears four to one, thus greatly facilitating the operation of the gates. On the "blow-off" pipe, outside the pipe chamber, a 30-inch gate was placed. The conduit was flushed six times during the year.

WATER-SOURCES.

The chemical treatment of the effluent from Tidd's and Fitzgerald's tanneries has been abandoned, as both tanneries are now connected with the Metropolitan sewer system.

A summary of the inspection work for the past year is as follows: Total number of cases inspected, 532; of these there are old cases, 527; new cases, 5. The present condition of all inspected cases is: Present safe, 340; seem safe, 15; suspected, 8; unsatisfactory, 21; remedied, 148. Seven legal notices were served.

DEACON AND WASTE SERVICE.

The Deacon meter service has been re-established, and the results of its work in the detection of leaks and waste have been satisfactory. The Inspectors of Waste have found 2,810 defective fixtures, inspected 15,288 houses, made 2,635 waste reports, and re-examined 2,411 premises.

Appended you will find tables showing details of the work performed.

Yours respectfully,

HUGH McNULTY,

General Superintendent Eastern Division.

TABLES SHOWING DETAILS OF WORK PERFORMED IN CITY OF BOSTON.

Table showing the Length of Supply and Distribution Mains laid During the Year 1896, and the Length Connected with the Sudbury, Cochituate and Mystic (Charlestown) Works, Jan. 31, 1897.

DIAMETER OF PIPES IN INCHES.																		Total.
60	48	42	40	36	30	28	24	20	16	12	10	8	6	4	3	2		
EASTERN DIVISION.																		
Length in use Jan. 31, 1896..																		3,329,484
Length laid or relaid during the year																		178,377
Length abandoned during the year.....																		52,136
Length in use Jan. 31, 1897..																		3,455,725
WESTERN DIVISION.																		
Length in use Jan. 31, 1897..																		23,481
Total connected with works Jan. 31, 1897.																		3,479,206 or 658.9 miles.

Statement of Hydrant, Blow-off and Reservoir Pipes, Jan. 31, 1897.

	DIAMETER IN INCHES.								Total.
	16	12	10	9	8	6	4	3	
Total length in use Jan. 31, 1896..	472	7,053	100	2,975	1,062	22,488	10,894	3	45,047
Length laid or relaid during the year.....		30				2,764	394		3,188
Length abandoned during the year.....				60		320	510		890
Total length in use Jan. 31, 1897.....	472	7,083	100	2,915	1,062	24,932	10,778	3	47,345

Statement of Service-pipes Laid and Abandoned During the Year Ending Jan. 31, 1897.

	CITY PROPER.		SOUTH BOSTON.		EAST BOSTON.		ROXBURY.		DORCHESTER.		WEST RONBURY.		BRIGHTON.		CHARLES-TOWN.		TOTAL.	
	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.
6-inch laid.....	.....	.....	1	36	.....	.....	.....	.....	.....	.....	1	46	1	100	1	48	4	230
6 " abandoned.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....
4 " laid.....	31	743	2	36	3	10	5	113	4	126	1	38	2	191	.....	.....	48	1,257
4 " abandoned.....	.....	.....	.....	.....	1	53	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	2	53
3 " laid.....	9	260	3	115	1	53	3	67	.....	.....	.....	.....	.....	.....	.....	.....	16	485
3 " abandoned.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	31	.....	.....	.....	.....	1	31
2 " laid.....	16	580	3	144	2	82	4	103	3	75	.....	.....	1	37	2	66	31	1,087
2 " abandoned.....	2	92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	110	4	202
1½ " laid.....	28	738	.....	.....	4	127	5	110	6	122	2	29	1	9	1	22	47	1,157
1½ " abandoned.....	7	114	.....	.....	1	10	2	19	.....	.....	.....	.....	.....	.....	.....	.....	10	143
1¼ " laid.....	21	678	4	103	.....	.....	9	314	2	62	2	57	.....	.....	.....	.....	38	1,214
1¼ " abandoned.....	5	150	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	150
1 " laid.....	58	1,846	5	144	3	111	39	1,067	7	166	11	290	2	48	1	30	126	3,702
1 " abandoned.....	17	412	1	17	4	132	1	15	3	46	.....	.....	1	4	2	52	29	678
¾ " laid.....	57	1,458	4	161	6	167	97	2,213	2	42	.....	.....	1	15	9	210	176	4,266

Statement of Service-pipes Laid and Abandoned. — *Continued.*

	CITY PROPER.		SOUTH BOSTON.		EAST BOSTON.		ROXBURY.		DORCHESTER.		WEST ROXBURY.		BRIGHTON.		CHARLES-TOWN.		TOTAL.	
	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.	Number of services.	Length in feet.
¾ inch abandoned.....	6	201	1	26	.....	.....	3	92	1	16	.....	.....	.....	.....	1	16	12	351
¾ " laid.....	97	2,438	137	4,159	110	2,900	806	17,792	672	16,351	294	6,782	144	3,601	46	1,194	2,306	54,907
¾ " abandoned.....	122	3,055	13	329	11	268	68	1,662	9	201	8	76	4	168	1	10	236	5,749
¾ " abandoned.....	3	184	3	123	.....	.....	3	130	2	46	.....	.....	.....	.....	10	217	21	700
Private pipes laid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	232	.....	.....	.....	.....	16	232
Total laid.....	317	8,431	139	4,898	129	3,450	963	21,779	636	16,944	327	7,474	152	4,001	60	1,570	2,808	68,547
Total abandoned.....	162	4,188	18	495	17	463	78	1,918	15	309	9	107	8	172	15	405	322	8,057
Net increase.....	155	4,243	141	4,403	112	2,987	890	19,861	681	16,635	318	7,367	144	3,829	45	1,165	2,486	60,490

Statement of Location, Size, and Number of Feet of Main Pipe Relaid during the Year ending Jan. 31, 1897.

NOTE.—C. P., indicates City Proper; Rox., Roxbury; W. R., West Roxbury; Bri., Brighton; Dor., Dorchester; So. B., South Boston; E. B., East Boston; Chn., Charlestown.

In what Street.	Between what Streets.	District.	Size.	Length.	Original Size.
Tremont st.....	Boylston and Mason sts.....	C. P.	40-in.	346	40-in.
“ “	Eliot and Mason sts.....	“	80-in.	620	30-in.
“ “	Warrenton and Eliot Streets.....	“	“	999	“
Haymarket sq.....	.....	“	24-in.	100	24-in.
“ “ .....	.....	“	20-in.	96	20-in.
Hanover st.	No. Bennet and Charter sts.....	“	16-in.	473	12-in.
“ “	Charter and Salutation sts.....	“	“	22	“
Park st.....	Tremont and Beacon sts.....	“	“	76	6-in.
“ “	At Tremont st.....	“	“	213	“
West st.	“ “ “	“	“	29	“
Haymarket sq.....	Sudbury and Canal sts.....	“	“	70	16-in.
Winter st.....	Tremont and Washington sts.....	“	“	539	6-in.
Boston Common ...	Over the Subway	“	“	100	16-in.
West st.....	At Washington st.....	“	“	39	6-in.
Centre st.	Columbus ave. and Amory st.....	Rox.	“	878	16 and 12-in.
Amory st.	Centre st. and Stony brook.....	“	“	437	“
Centre st.	Columbus ave. and Ritchie st.....	“	“	520	16-in.
Terrace st.	New Heath st. and Parker pl.....	“	“	552	6-in.
Commonwealth ave.,	At Cottage Farm station.....	Bri.	“	18	16-in.
“ “	Lake and Foster sts.....	“	“	1,275	12-in.
Central sq.	Border and Bennington sts.....	E. B.	“	336	“
	Total 16-inch.....			5,577	
Cross st.	North and Hanover sts.....	C. P.	12-in.	22	6-in.
“ “	“ “ Fulton sts.....	“	“	30	“
North st.	Fleet and Union sts.....	“	“	2,082	6 and 8-in.
Cross st.	Commercial st. and Haymarket sq.,	“	“	1,508	6-in.
Tremont st.	Hollis and Warrenton sts.....	“	“	127	“
Mason st.	At Tremont st.....	“	“	22	“
	<i>Carried forward</i>			3,791	

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.	Original Size.
	<i>Brought forward</i>			3,791	
Hanover st.	Portland and Court sts.....	C. P.	12-in.	452	12-in.
Bosworth st.	Tremont and Province sts....	"	"	287	4-in.
Province st.	Bromfield st. and Province court...	"	"	182	6-in.
West st.	At Washington st.....	"	"	10	"
Indiana st.	Harrison ave. and Washington st.,	"	"	5	12-in.
Hanover st.	Opposite Friend st.....	"	"	30	"
Washington st.	Haymarket sq. and Hanover st....	"	"	427	"
" "	Corner of Hanover st.....	"	"	62	6-4-in.
Amory st.	Centre st. and Stony brook.....	Rox.	"	254	12-in.
Haskins st.	Vernon and Ruggles sts.	"	"	654	6 in.
Vernon st.	Washington and Downing sts....	"	"	1,616	"
Cabot st.	At Vernon st.....	"	"	16	"
Rogers ave.	Near Ruggles st.....	"	"	25	"
Centre st.	Columbus ave. and Amory st.....	"	"	24	12-in.
" "	N.Y., N.H. & H. R.R. and Wise st.,	"	"	359	"
Ritchie st.	At Centre st.....	"	"	14	"
Lamartine st.	Centre and Roys sts.	"	"	176	"
Guild st.	At Washington st.....	"	"	25	4-in.
Ruggles st.....	" Rogers ave.....	"	"	35	12-in.
Centre st.	" N.Y., N.H. & H. R.R.....	"	"	194	"
" "	" Lamartine st.	"	"	7	"
Cliff st.	Washington and Regent sts.....	"	"	1,134	6 and 4-in.
Columbus ave.	Cedar and New Heath sts.....	"	"	794	12-in.
New Heath st.	Across Columbus ave.....	"	"	30	6-in.
Centre st.	Columbus ave. and Ritchie st....	"	"	508	16-4-in.
Ritchie st.	Centre st. and Stony brook.....	"	"	197	12-in.
Ruggles st.	Columbus ave. and Duncan st....	"	"	334	"
Rogers ave.	From Ruggles st.....	"	"	156	"
Parker st.	Across Centre st.....	"	"	50	6-4-in.
Washington st.	Near Dedham Branch crossing...	W. R.	"	87	12-in.
Boylston st.	At N.Y., N.H. & H. R.R.....	"	"	77	"
Walk Hill st.	" " " "	"	"	152	"
Commonwealth ave.,	" Cottage Farm station.....	Bri.	"	140	"
	<i>Carried forward</i>			12,304	

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.	Original Size.
	<i>Brought forward</i>			12,304	
Commonwealth ave.	At Essex st.	Bri.	12-in.	57	6-in.
Washington st.	" Chestnut Hill ave.....	"	"	15	12-in.
Blue Hill ave.....	Columbia and Glenway sts.....	Dor.	"	700	12 in.
Centre st.	Washington st. and Railroad.....	"	"	177	6-in.
Winter st.....	Adams and East sts.	"	"	90	"
Blue Hill ave.....	Grove Hall and Seaver st.....	"	"	1,420	12 and 6-in.
Farnsworth st.....	Congress st. and Railroad.....	So. B.	"	682	"
Cross st.....	Border and New sts ..	E. B.	"	192	4-in
	Total 12-inch.....			15,637	
Dover st.....	Shawmut and Harrison aves.....	C. P.	10-in.	798	6-in.
Prentiss st.....	At Columbus ave.....	Rox.	"	82	"
Walpole st.....	" " "	"	"	63	"
Prentiss st.....	Tremont st. and Columbus ave	"	"	184	"
Walpole st.....	" " "	"	"	299	"
Blue Hill ave.....	Glenway and Esmond st.....	Dor.	"	875	12-in.
	Total 10-inch.....			2,301	
Suncourt st.....	Moon and North sts.....	C. P.	8-in.	27	4-in.
Tremont st.....	Hollis and Warrenton sts.....	"	"	54	8 in.
Prince st.....	Hanover and Garden-Court sts. ...	"	"	171	4-in.
Garden-Court st....	North sq. and Prince st.....	"	"	12	6 in.
Brattle st.....	Court and Washington sts.....	"	"	476	"
North sq.....	Prince and North sts.....	"	"	422	"
Haymarket sq.....	Washington and Sudbury sts.	"	"	57	"
Water st.....	Liberty sq. and Broad st.....	"	"	306	"
Union Park st....	Washington st. and Harrison ave.,	"	"	481	4-in.
Boylston st.....	At Tremont st.....	"	"	14	8-in.
Malden st ..	Washington st. and Harrison ave.,	"	"	560	6 in.
Warrenton st.....	Shawmut ave. and Tremont st....	"	"	80	"
Tremont st.....	Over Subway at Common st.....	"	"	60	"
North st.....	At North sq.....	"	"	10	"
Sterling st.....	Shawmut ave. and Washington st.,	Rox.	"	316	4-in.
McLellan st.....	Paige ave. and Bradshaw st.....	Dor.	"	137	6-in.
	<i>Carried forward</i>			3,183	

Statement of Location, Size, etc. — Continued.

In what Street.	Between what Street.	District.	Size.	Length.	Original Size.
	<i>Brought forward</i>			3,183	
Church st.....	Winter and High sts.....	Dor.	8 in.	363	6-in.
East st.....	Winter st. and Williams pk.....	"	"	329	"
Blue Hill ave.....	At Evelyn st.....	"	"	106	12 in.
Sleeper st.....	Congress st. and railroad.....	So. B.	"	650	6-in.
New st.....	Sumner and Maverick sts.....	E. B.	"	475	"
Boston Harbor.....	Shirley Gut.....		"	871	8-in.
Boston Harbor (contract).....	" "		"	540	"
	Total 8-inch.....			<u>6,517</u>	
North Centrest.....	North and Hanover sts.....	C. P.	6-in.	24	6-in.
Hanover ave.....	Hanover and North sts.....	"	"	37	4-in.
Salutation st.....	" "	"	"	34	"
Norwich st.....	Mystic and Meander sts.....	"	"	235	"
Meander st.....	Norwich and E. Dedham sts.....	"	"	222	"
Laconia st.....	Harrison ave. and Washington st.,	"	"	354	"
Hanover ave.....	From Hanover st.....	"	"	11	"
Harris st.....	" "	"	"	16	"
Webster ave.....	" "	"	"	16	"
Pine st.....	Washington st. and Harrison ave.,	"	"	442	6-in.
Knapp st.....	Beach st. and Harrison ave.....	"	"	367	4-in
Cotting st.....	Lowell and Leverett sts.....	"	"	325	"
Jackson pl.....	Off Winter st.....	"	"	15	"
Winter pl.....	" "	"	"	21	"
Stillman st.....	Endicott and Charlestown sts.	"	"	221	6-in.
Acton st.....	Washington and Bradford sts.	"	"	305	4-in.
Newland st.....	Pembroke and Trumbull sts.....	"	"	63	"
James st.....	Concord and E. Newton sts.....	"	"	140	"
Province court.....	From Province st.....	"	"	95	"
Eliot st.....	At Tremont st.....	"	"	4	6-in.
Friend st.....	At Washington st.....	"	"	17	"
Concord sq.....	Tremont st. and Columbus ave....	"	"	594	4-in.
Concord pl.....	Off Concord sq.....	"	"	41	"
Tremont st.....	School st. and Scollay sq.....	"	"	10	6-in.
Hanover st.....	At Elm st.....	"	"	10	"
	<i>Carried forward</i>			<u>3,619</u>	

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.	Original Size.
	<i>Brought forward</i>			3,619	
Dix pl.	Off Washington st.	C. P.	6-in.	333	4-in.
Ohio st.	Shawmut ave and Washington st.,	"	"	401	"
Seaver pl.	Off Tremont st.	"	"	143	"
Burroughs pl.	Off Hollis st.	"	"	178	"
Kent st.	At Vernon st.	Rox.	"	16	"
Columbus ave.	Davenport and Walpole sts.	"	"	870	6 and 4-in.
Davenport st.	At Columbus ave.	"	"	18	4-in.
Benton st.	" " "	"	"	34	6-in.
Burke st.	" " "	"	"	37	"
Coventry st.	" " "	"	"	24	"
Cunard st.	" " "	"	"	25	"
Sarsfield st.	" " "	"	"	32	"
Walpole st.	" " "	"	"	26	"
Tabor st.	Across Winslow st.	"	"	73	4-in.
Rogers ave.	At Ruggles st.	"	"	109	6-in.
Newcomb st.	Washington and Reed st.	"	"	182	4-in.
Putnam st.	At Roxbury.	"	"	31	"
Rogers ave.	Near Ruggles st.	"	"	79	6-in.
Cottage pl.	At Columbus ave.	"	"	13	4-in.
Terryst.	" " "	"	"	17	6-in.
Culvert st.	" " "	"	"	33	4-in.
Riverside st.	" " "	"	"	17	6-in.
Weston st.	" " "	"	"	23	"
Old Heath st.	Columbus ave. and Albert st.	"	"	83	"
Glenwood st.	At Cliff st.	"	"	21	4-in.
Grosvenor pl.	" " "	"	"	10	"
Davenport st.	Columbus ave. and Tremont st.	"	"	308	"
Sarsfield st.	" " Grinnell st.	"	"	175	3-in.
Culvert st.	Tremont and Columbus ave.	"	"	211	4-in.
Kenilworth st.	Across Dudley st.	"	"	59	"
Linden ave.	At Linden Park st.	"	"	12	6 in.
Lamont st.	" " "	"	"	36	4-in.
Sanford pl.	" E. Lenox st.	"	"	27	"
	<i>Carried forward</i>			7,275	

Statement of Location, Size, etc. — *Concluded.*

In what Street.	Between what Streets.	District.	Size.	Length.	Original Size.
	<i>Brought forward</i>			7,275	
Prescott st.	At Eustis st.	Rox.	6-in.	27	4-in.
Eustis st.	" Prescott st.	"	"	12	6-in.
Orchard st.	" Eustis st.	"	"	22	4-in.
Rogers ave.	From Ruggles st.	"	"	76	6-in.
Cottage p'.	Columbus ave. and Tremont st.	"	"	130	4-in.
Clark pl.	At Lamartine st.	W. R.	"	28	"
Gaylor st.	" Washington st.	Dor.	"	26	6-in.
Dix st.	Adams st. and Dorchester ave. .	"	"	20	"
Athelwold st.	School and Killion sts.	"	"	350	"
Gibson st.	Adams st. and Dorchester ave.	"	"	20	"
Blue Hill ave.	Columbia and Glenway sts.	"	"	9	12-in.
Parkman st.	Adams st. and Dorchester ave.	"	"	20	6-in.
Blue Hill ave.	Canterbury and Angell sts.	"	"	195	12-in.
Dove st.	E and F sts.	So. B.	"	547	4-in.
Telegraph st.	At Thomas Park.	"	"	36	"
"	Dorchester st. and Thomas pk.	"	"	826	"
Gates st.	At Telegraph st.	"	"	65	"
Webster st.	Seaver and Cottage sts.	E. B.	"	40	"
Monument court.	From Winthrop st.	Chn.	"	215	"
Parker st.	Cambridge and Perkins sts.	"	"	45	6-in.
Boston Harbor (contract)	Squantum and Thompson's Island, ...		"	100	"
Boston Harbor (contract)	Rainsford's Island.		"	660	4-in.
	Total 6-inch.			10,744	
Stillman pl.	Cooper and Stillman sts.	C. P.	4-in.	28	"
Hayden Terrace.	At Washington st.	Rox.	"	6	1-in.
Boston Harbor (contract)	Rainsford's Island.		"	2,394	3-in.
	Total 4-inch.			2,428	

**Statement of Location, Size, and Number of Feet of
Main Pipe Extended during the Year ending Jan.
31, 1897.**

In what Street.	Between what Streets.	District.	Size.	Length.
Huntington ave.....	Exeter and Irvington sts.....	C. P.	42-in.	227
Ruthven st.....	Humboldt and Elm Hill aves.	Rox.	36-in.	522
Dorchester ave. (contract).....	East and Adams sts.....	Dor.	24-in.	2,224
Adams st. (contract).....	Dorchester ave. and Parkman st.....	"	"	1,664
	Total 24-inch.....			<u>3,888</u>
Commonwealth ave. ..	Essex and St. Paul sts.....	Bri.	20-in.	220
Hancock st.....	Dudley st. and Cushing ave.	Dor.	"	23
Border st. (contract).	West Eagle st. and Central sq.	E. B.	"	2,132
"	Condor and West Eagle sts.....	"	"	491
Condor st.....	Brooks and Border sts.	"	"	1,150
	Total 20-inch.....			<u>4,016</u>
Huntington ave.....	Parker st. and Longwood ave.....	Rox.	16 in.	597
Boylston st.....	Boylston and Audubon roads.....	"	"	2,088
"	At Brookline ave.....	"	"	20
Commonwealth ave. ..	Chestnut Hill ave. and Newton line..	Bri.	"	940
" " ..	Essex and St. Paul sts.....	"	"	983
Blue Hill ave.....	Fessenden and Walk Hill sts.	Dor.	"	289
Boston st.....	Hancock and Dudley sts.....	"	"	613
Dudley st.....	Boston and Hancock sts.....	"	"	62
Hancock st.....	Dudley st. and Cushing ave.	"	"	148
Blue Hill ave.....	At Lauriat ave.....	"	"	62
" "	Talbot ave. and Walk Hill st.	"	"	3,883
Boston st.....	From No. 58 to No. 354.....	"	"	3,815
Blue Hill av. (contract)	Evelyn st. and Noyes ave.....	"	"	2,183
Telegraph st.....	At Thomas park.....	So. B.	"	50
Dorchester st.....	At Railroad	"	"	136
Telegraph st. (contract).....	Old Harbor and Dorchester sts.	"	"	940
Dorchester st. (contract).....	Dorchester ave. and Telegraph st.	"	"	1,990
Boston st. (contract).....	Dorchester ave. and No. 58 Boston st.	"	"	737
	Total 16-inch.....			<u>19,506</u>

Statement of Location, Size, etc.—*Continued.*

In what Street.	Between what Streets.	District.	Length.	Size.
High st.....	Pearl and Oliver sts.....	C. P.	12-in.	298
State st.....	Broad st. and Atlantic ave.....	"	"	670
Haymarket sq.....	.....	"	"	15
Eliot st.....	Carver st. and Columbus ave.....	"	"	281
High st.....	Oliver and Purchase sts.....	"	"	680
Purchase st.....	From High st.....	"	"	246
Haymarket sq.....	Over the Subway.....	"	"	73
Hanover st....	Across Washington st.....	"	"	57
Roy st.....	Lamartine and Wise sts.....	Rox.	"	191
Francis st.....	At Huntington ave.....	"	"	91
Columbus ave.....	Camden and Walpole sts.....	"	"	1,044
Audubon road.....	Ivy and Monmouth sts.....	"	"	587
St. Alphonsus st....	Tremont and Calumet sts.....	"	"	697
Calumet st....	St. Alphonsus and Hillside sts.....	"	"	169
Alleghany st.....	Across St. Alphonsus st....	"	"	57
Stony Brook bank....	Amory and Lamartine sts.....	"	"	545
Columbus ave.....	Tremont and Walpole sts.....	"	"	831
St. off Huntington av.,	Second right, south of Parker st....	"	"	26
Bryant st.....	At Huntington ave.....	"	"	53
Vancouver st.....	Across Huntington ave.....	"	"	197
Fenway, off Hunting- ton ave.....	First left, north of Longwood ave..	"	"	26
Fenway, off Hunting- ton ave.....	Second left, north of Longwood ave..	"	"	34
Ward st.....	At Huntington ave.....	"	"	23
St. Alphonsus st....	At Ward st.....	"	"	25
Parker Hill ave.....	At Huntington ave....	"	"	38
Riverway st.....	Longwood ave. and Park st.....	"	"	420
St. off Boylston st....	Near Boylston road.....	"	"	8
Parker Hill ave.....	Huntington ave. and Hillside st....	"	"	32
Audubon road.....	Beacon st. and B. & A. R.R.....	"	"	399
Fisher ave.....	Hayden st. and Parker Hill ave.....	"	"	595
Regent st.....	At Cliff st.....	"	"	10
Brookline ave.....	Bellevue and Short sts.....	"	"	481
Belgrade ave.....	Beech and Lorraine sts.....	W. R.	"	270
Pelton st.....	Park and Irving sts.....	"	"	370
<i>Carried forward.</i>				9,539

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			9,539
Centre st.....	Montclair ave. and Congreve st.....	W. R.	12-in.	252
Centre st.....	At Dedham line.....	"	"	254
Arnold st.....	Weld st. and Cemetery entrance.....	"	"	2,372
Weld st.....	Corey and Arnold sts.....	"	"	535
Arborway.....	Hampstead road and Centre st.....	"	"	2,652
Colberg ave.....	Beech and Lorraine sts.....	"	"	314
Lasell st.....	Temple and Perham sts.....	"	"	211
Colberg ave.....	Lorraine and Montello sts.....	"	"	203
Kittredge st.....	Metropolitan ave. and Hemman st....	"	"	526
Centre st.....	Stimson st. and Dedham line.....	"	"	645
Catalpa st.....	Castleton and Evergreen sts.	"	"	242
Arborway	South st. and Hampstead road	"	"	403
Park st.....	Mountview and Centre sts.....	"	"	156
"	Centre st. and March ave.....	"	"	129
Glen Road.....	Washington and Forest Hills st.....	"	"	333
Green st.	Washington, and N. Y., N. H. and H. R.R.	"	"	380
Lake st.....	Commonwealth ave. and Kenrick st.,	Brl.	"	467
Faneuil st.....	Fairbanks and Parsons sts.....	"	"	630
Commonwealth ave..	Essex and St. Paul sts.....	"	"	333
Faneuil st.....	Parsons and Goodenough sts.....	"	"	454
Esmond st.....	Bradshaw st. and Blue Hill ave.....	Dor.	"	900
Morton st.....	From Blue Hill ave.....	"	"	13
Sydney st.....	Harbor View and Crescent ave.....	"	"	238
Dorchesterway.....	From Boston st.....	"	"	153
Hancock st.....	Freeport and Trull sts.....	"	"	6
Barrington st.....	From Stonehurst st.....	"	"	40
Sydney st.....	Hartland and Romsey sts.....	"	"	100
Centre st.....	Washington st. and Railroad.....	"	"	344
Morton st.....	Selden and Oakridge sts.....	"	"	2,023
Winter st.....	Adams and Church sts.	"	"	366
Blue Hill ave.....	Across Harvard st.....	"	"	99
Morton st.....	" Blue Hill ave.....	"	"	108
Ponemah st.....	From "	"	"	15
	<i>Carried forward</i>			25,435

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			25,435
Blue Hill ave.....	At Ponemah st.....	Dor.	12-in.	113
Kilton st.....	From Washington st.....	"	"	117
Sydney st.....	From Hartland st.	"	"	57
Adams st.	Park and Gibson sts.....	"	"	90
"	Neponset ave. and Gibson st.....	"	"	23
Wilmington ave.	Milton ave. and Nevada st.	"	"	640
Milton ave.	Fairmount st. and Wilmington ave...	"	"	282
Lauriat ave.	Birch st. and Blue Hill ave.....	"	"	1,371
Ballou ave.	From Mountain ave.....	"	"	306
Barrington st.	Speedwell st. and Homes ave.....	"	"	83
Park st.	Washington and Waldeck sts.....	"	"	60
Lyon st.	Dorchester ave. and Adams st.....	"	"	694
Geneva ave.	Bloomfield st. and Railroad.....	"	"	319
Blue Hill ave.	Wales st. and Talbot ave.....	"	"	816
Sydney st.	At Hartland st.....	"	"	36
Bloomfield st.	From Greenbrier st.....	"	"	4
Roseclair st.	" Dor. ave. at Mt. Vernon st....	"	"	70
Oakland st.	Hollingsworth and Haven sts.....	"	"	419
Haven st.	From Oakland st.....	"	"	44
Dorchester ave.	At Adams st.....	"	"	18
White st.	Bicknell st. and Sanborn ave.....	"	"	536
Telegraph st.	At Thomas Park.....	S. B.	"	4
D st.	Dorchester ave. and Railroad.....	"	"	316
Bellflower st.	Boston st. and Dorchester ave.....	"	"	346
Orienta pl.	From Gladstone st.....	E. B.	"	276
Bennington st.....	Antrim and Walley sts.....	"	"	763
Walley st.	Bennington and Leyden sts.....	"	"	822
Overlook st.	Farrington st. and Water ave.....	"	"	497
	Total 12-inch.....			34,597
Huntington ave.....	Wigglesworth and Francis sts.....	Rox.	10-in.	60
St. off Huntington ave.	1st, right, south of Wigglesworth st..	"	"	30
Columbus ave.....	Tremont and Walpole sts.....	"	"	1,642
Murdock st.	No. Beacon and Spring sts.....	Brl.	"	240
	<i>Carried forward</i>			1,972

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			1,972
Colberg ave.....	Belgrade ave. and Arden st.....	W. R.	10-in.	283
Capen st.....	Norfolk and Evans sts.....	Dor.	"	188
Greenbrier st.....	Bowdoin and Bloomfield sts.....	"	"	816
Greenbrier st.....	Bloomfield and Park sts.....	"	"	96
	Total 10-inch.....			3,355
Hanover st.....	Elm and Court sts.....	C. P.	8-in.	338
Arch st.....	Summer and Franklin sts.....	"	"	156
Chapman pl.....	School and Bosworth sts.....	"	"	90
Washington st.....	Hanover st. and Haymarket sq.....	"	"	449
Washington st.....	Hanover and Friend sts.....	"	"	17
Tremont st.....	Opposite Hollis st.....	"	"	2
Shawmut ave.....	Common and Warrenton sts.....	"	"	95
Huntington ave.	Massachusetts ave. and Parker st.	Rox.	"	2,723
" "	Wigglesworth and Francis sts.....	"	"	756
Randall st.....	Albany and Fellows sts.....	"	"	286
Columbus ave.....	Washington st. and W. Walnut pk.,	"	"	423
Calumet st.....	St. Alphonsus and Hillside sts.....	"	"	29
Huntington ave.....	Parker st. and Longwood ave.....	"	"	2,824
Ruggles st.....	At Huntington ave.....	"	"	12
Ward st.....	" " "	"	"	39
St. off Boylston st....	Near Audubon road... ..	"	"	10
Wensley st.....	At Bickford ave.....	"	"	43
Bryant st.....	Huntington ave. and St. Stephens st.,	"	"	143
Faine st.....	Walk Hill and Canterbury sts.....	W. R.	"	221
Tower st.....	From Hyde Park ave.....	"	"	402
Temple st... ..	Spring and Hillcrest sts.....	"	"	308
Boylston st.....	Centre st. and Boylston terrace	"	"	284
Walter st.....	Hewlett and Selwyn sts.....	"	"	8
Hampstead road.....	Off Park road.....	"	"	976
Cornell st.....	Poplar and Kittredge sts.....	"	"	72
Temple st.....	Mt. Vernon and Lasell sts.....	"	"	303
Montello st.....	Colberg and Belgrade aves.....	"	"	177
Bynner st.....	Day st. and Parkway.....	"	"	647
	<i>Carried forward</i>			11,333

Statement of Location, Size, etc.—*Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			11,333
Elmira st.	Etna and George sts.	Bri.	8 in.	286
George st.	At Elmira st.	"	"	18
Ridgemont st.	Eleanor and Allston sts.	"	"	361
Antwerp st.	Lincoln st. and Western ave.	"	"	1,338
Newton st.	Brooks and Gerrish sts.	Bri.	"	243
Ridgemont st.	West from Eleanor st.	"	"	36
Blue Hill ave.	At Lauriat ave.	Dor.	"	106
" "	" Woolson st.	"	"	107
Fessenden st.	From Blue Hill ave.	"	"	20
Shawmut park	Lonsdale and Mallett sts.	"	"	284
Thacher road.	Cushing ave. and Stoughton st.	"	"	805
Saxton st.	From Savin Hill ave.	"	"	410
Holden st.	" Humphrey st.	"	"	153
Alban st.	Talbot and Burt aves.	"	"	355
Welles ave.	Ocean st. and Talbot ave.	"	"	202
Duncan st.	From Greenwich st.	"	"	36
Cushing ave.	" Upham st.	"	"	58
Sherwood st.	" Norfolk ave.	Rox.	"	288
Hollingsworth st.	" Oakland st.	Dor.	"	357
Astoria st.	" Elizabeth st.	"	"	287
Fairmount ave.	Milton ave. and Nevada st.	"	"	634
Willis st.	Sumner and Pleasant sts.	"	"	351
Bakersfield st.	From Willis st.	"	"	4
Langdon st.	Norfolk ave. and George st.	Rox.	"	292
Kerwin st.	From Bernard st.	Dor.	"	370
Blue Hill ave.	At Board of Survey st.	"	"	104
Blue Hill ave.	" Proposed st.	"	"	104
Proposed st.	From Blue Hill ave.	"	"	4
Rich st.	" West Selden st.	"	"	319
Magdala st.	Van Winkle and Codman sts.	"	"	277
Oakridge st.	From Morton st.	"	"	183
Saxton st.	" Savin Hill ave.	"	"	330
Thane st.	" Athelwold st.	"	"	50
	<i>Carried forward</i>			20,105

Statement of Location, Size, etc.—Continued.

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			20,105
Private way.....	Blue Hill ave. and Back st.....	Dor.	8-in.	263
Charles st.....	From Geneva ave.	"	"	47
Waldeck st.....	" " "	"	"	35
Duncan st.....	" Greenwich st.....	"	"	27
Blue Hill ave.....	Wales st. and Talbot ave.	"	"	17
Phipps ave.....	Blue Hill ave. and Columbia st.....	"	"	290
Weyanoke st.....	From Carruth st.....	"	"	375
Nightingale st.....	Bicknell st. and Talbot ave.....	"	"	36
Blue Hill ave.....	Canterbury and Angell sts.....	"	"	114
Woolson st.....	From Norfolk st.....	"	"	23
Fessenden st.....	" " "	"	"	19
Hollingsworth st.....	" Oakland st.....	"	"	252
Faxon st.....	Clinton and Elmont sts.....	"	"	202
Charlotte st.....	Blue Hill ave. and White st.....	"	"	909
Rawson st.....	Boston st. and Dorchester ave.....	So. B.	"	209
A-st. extension.....	From Congress st.....	"	"	685
Farrington st.....	LaFayette ave. and Overlook st.....	E. B.	"	492
	Total 8-inch.....			24,100
Mason st.....	At Tremont st.....	C. P.	6-in.	12
Mystic st.....	E. Canton and E. Brookline sts.	"	"	146
Dartmouth st.....	Huntington ave. and R.R. bridge ...	"	"	84
Chauncy st.....	Summer and Avon sts.....	"	"	329
Avon st.....	Washington and Chauncy sts.....	"	"	11
Hawley st.....	Summer and Franklin sts... ..	"	"	168
Shawmut ave.....	Warrenton and Common sts.....	"	"	72
Harold st.....	Walnut ave. and Monroe st.....	Rox.	"	409
Wait st.....	Hillside st. and Huntington ave.....	"	"	300
Sunset st.....	Eldora st. and Parker Hill ave.....	"	"	132
Plant ave.....	Parker and Bickford sts.....	"	"	208
Bromley st.....	Old Heath st. and Bromley park.....	"	"	124
Mark st.....	From Day st.....	"	"	225
Hammett ave.....	At Sarsfield st.....	"	"	81
Cunard st.....	Tremont and Cabot sts.....	"	"	261
	<i>Carried forward</i>			2,582

Statement of Location, Size, etc.—Continued.

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			2,562
Estey st.	Lawn and Ellingwood sts.	Rox.	6-in.	136
Ellingwood st.	From Estey st.	"	"	560
Winthrop pl.	Shawmut ave. and Washington st. ...	"	"	228
Smith st.	Huntington ave. and Whitney st. ...	"	"	227
Audubon road.	Beacon st. and B. & A. R.R.	"	"	380
Audubon circle.	So. side Beacon st.	"	"	128
Centre st.	At Highland st.	"	"	12
Hutchings st.	Humbolt ave. and Harold st.	"	"	60
Estey st.	At Fisher ave.	"	"	12
Bickford ave.	At Wensley st.	"	"	28
Bickford st.	Centre st. and Plant ave.	"	"	354
Atherton st.	Arcadia and Copley sts.	"	"	172
Sunnyside st.	Creighton and Westerly sts.	"	"	83
Weldon st.	Quincy and Holborn sts.	"	"	147
Wise st.	Roy and Centre sts.	"	"	66
Pontiac st.	Hillside and Cherokee sts.	"	"	239
Creighton st.	Centre and Sunnyside sts.	"	"	200
Bryant st.	At Huntington ave.	"	"	29
Courtland st.	" " "	"	"	19
St. off Huntington ave.	1st, Left, north of Francis st.	"	"	24
Rougemont pl.	At Columbus ave.	"	"	13
Williams st.	Westminster st. and Williams terrace	"	"	102
Columbus ave.	Camden and Davenport sts.	"	"	503
St. off Columbus ave..	Opp. Davenport st.	"	"	7
St. off Columbus av. ..	Nearly opp. Benton st.	"	"	9
Pontiac st.	At Cherokee st.	"	"	89
Kenmore st.	Across Beacon st.	"	"	54
Columbus av.	Tremont and Walpole sts.	"	"	2,682
St. off Huntington ave.	First, left, south of Gainsboro' st.	"	"	52
" " " "	Second " " " " "	"	"	53
" " " "	First, right, " " " " "	"	"	8
" " " "	" " " " Parker st.	"	"	26
" " " "	" left, " " " " "	"	"	4
	<i>Carried forward</i>			9,268

Settlement of Location, Size, etc.—*Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			9,268
St. off Huntington ave.	First, right, south of Francis st.....	Rox.	6-in.	59
“ “ “ “	Second “ “ “ “ “	“	“	61
“ “ “ “	Third “ “ “ “ “	“	“	51
“ “ “ “	Fourth “ “ “ “ “	“	“	45
Driskost st.	At Huntington ave.....	“	“	53
Ruggles st.	“ “ “	“	“	26
Smith st.	At Huntington ave.....	“	“	53
Clifton st.	Albans and Kittredge sts.....	W. R.	“	58
Mozart ave.	Selwyn and Walter sts.....	“	“	62
Dalrymple st.	Egleston and Georgiana sts.....	“	“	214
Boylston terrace.....	Off Centre st.....	“	“	155
Westover st.	Weld and Dunbar st.....	“	“	212
Orange st.	Beech and Cornell sts.....	“	“	300
Danforth st.	Paul Gore and Wyman sts.....	“	“	89
Congreve st.	South and Centre sts.....	“	“	44
Chestnut sq.	Off Chestnut ave.....	“	“	221
Keith ave.	At Temple st.....	“	“	10
Rexham st.	Colberg and Belgrade aves.....	“	“	221
Arden st.	“ “ “ “	“	“	305
Private road.....	Off Hampstead road.....	“	“	569
Barbara st.	From Centre st., near Perkins st....	“	“	329
Dent st.	Ivory and Pleasant sts.....	“	“	36
Flora st.	Kenneth st. and Clement ave.	“	“	202
Lorraine st.	Colberg and Belgrade aves.....	“	“	362
Irving st.	East of Pelton st.....	“	“	154
Emsella terrace.....	Lamartine st. and N. Y., N. H. and H. R.R.	“	“	192
Peter Parley st.....	Washington and Forest Hills st.	“	“	100
Washington st.....	Cornwall st. and Jackson pl.....	“	“	145
Orange st.	Brooks and Cornell sts.....	“	“	208
Webster ave.....	Webster pl. and Webster st.	Bri.	“	120
Fairbanks st.	Faneuil and Washington sts.....	“	“	48
Leicester st.	Surrey and Bennett sts.....	“	“	145
Etna st.	At Elmira st.....	“	“	50
	<i>Carried forward</i>			14,167

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>.....		.....	14,167
George st.....	At Elmira st.....	Brl.	6-in.	32
Sidlaw road.....	Chilswick road and Commonwealth av.	"	"	340
Kingsley st.....	North Harvard and Hubbard sts.....	"	"	60
Commonwealth ave..	Chestnut Hill ave. and Newton line..	"	"	1,281
Fairbanks st.....	Faneuil and Washington sts.....	"	"	79
Adams st.....	Everett and Franklin sts.....	"	"	663
Ericsson ave.....	Adams and Lincoln sts.....	"	"	331
Parkman st.....	Brooks st. and B. & A. R.R.....	"	"	218
Wicklow st.....	From North Beacon st.....	"	"	241
Cypress road.....	Etna and George sts.....	"	"	226
Spring st.....	" " "	"	"	167
Gerrish st.....	Brooks and Bigelow sts.....	"	"	591
Jackson ave.....	Chestnut Hill ave. and High School pl.	"	"	60
Garden st.....	Murdock and George sts.....	"	"	350
Etna st.....	At Garden st.....	"	"	8
Maple ave.....	Murdock and George sts.....	"	"	323
Etna st.....	At Maple ave.....	"	"	10
Woodstock st.....	Summit ave. and Winchester st.....	"	"	195
Etna st.....	Cypress road and North Beacon st..	"	"	254
Kenneth st.....	At Bayard st.....	"	"	88
Corona st.....	From Bowdoin st.....	Dor.	"	436
Devon st.....	" Columbia st.....	"	"	164
" "	Blue Hill ave. and Columbia st.....	"	"	556
Shawmut park.....	From Lonsdale st.....	"	"	94
Blue Hill ave.....	Canterbury and Angell sts.....	"	"	851
May st.....	From Glenway st.....	"	"	50
Morse st.....	" Washington st.....	"	"	231
Flint st.....	" Norfolk st.....	"	"	37
Clinton st.....	At Faxon st.....	"	"	34
Elmont st.....	" " "	"	"	14
Holiday st.....	Bowdoin and Geneva sts.....	"	"	208
Southern ave.....	Washington and Whitfield sts.....	"	"	168
Samoset st.....	From Centre st.....	"	"	220
	<i>Carried forward</i>.....		.....	22,747

Statement of Location, Size, etc — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			22,747
Willowwood st.....	From Ballou ave.	Dor.	6 in.	477
Rosedale st.....	Washington and Whitfield sts.....	"	"	435
Hartland st.	From Sydney st.	"	"	6
Virginia st.	Dudley and Davenport sts.....	"	"	90
New st.	From Greenbrier st.	"	"	24
Devon st.....	" Blue Hill ave.....	"	"	92
Randolph terrace. ..	" Weyanoke st.....	"	"	135
Mellen st.....	Montague and Waldorf sts.....	"	"	160
Coffee court.....	From Washington st.....	"	"	390
Kingsdale st.....	" Bernard st.....	"	"	36
Johnson terrace.....	" Lauriat ave.....	"	"	26
Birch st.....	" " "	"	"	37
Willowwood st.....	" " "	"	"	28
Leeds st.....	" Savin Hill ave.....	"	"	24
Holiday st.....	Topliff st. and Geneva ave.....	"	"	420
Devon st.....	From Columbia st.....	"	"	394
Wilder st.....	Washington st. and Geneva ave....	"	"	312
Clarkson st.....	Quincy and Barrington sts.	"	"	224
Upham st.....	Hancock st. and Cushing ave.	"	"	269
Fairview st.....	From Frost ave.....	"	"	110
Chickatawbut st.....	Plain and Glide sts.....	"	"	207
Gibson st.....	From Adams st.....	"	"	323
Preston court.....	Off Gibson st.....	"	"	119
Private way.....	From No. 5 Richfield st.....	"	"	137
Dudley st.....	Near Howard ave.....	"	"	61
Pond st.....	From Pleasant st.....	"	"	120
Castle rock.....	" Grampian way.....	"	"	341
Russell park.....	" 66 Westville st.....	"	"	187
Athelwold st.....	School and Kilton sts.....	"	"	735
Millett st.....	From Athelwold st.....	"	"	52
Gawain st.....	" " "	"	"	51
Proposed st.....	" " "	"	"	17
Woodward Park st..	Folsom st. and Howard av.....	"	"	96
	<i>Carried forward</i>			28,882

Statement of Location, Size, etc. — *Concluded.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			28,882
Hooper ave.....	From Magnolia st.....	Dor.	6-in.	298
Roslin st.....	Washington and Montague sts.....	"	"	218
Grace st.....	From Roslin st	"	"	115
Montague st.....	" " "	"	"	129
Cottage side.....	" Willis st.....	"	"	26
Rockdale st.....	" Oakland st.....	"	"	164
Pond st.....	From Pleasant st.....	"	"	36
Cottage terrace.....	Marshfield and E. Cottage sts	"	"	237
Stanley st.....	From Bellevue st.....	"	"	235
Bellevue st.	Trull and Stanley sts.....	"	"	62
Blue Hill ave.....	Angell and Powanda sts.....	"	"	6,230
Robinson court.....	From Savin Hill ave.....	"	"	36
Orchard Dale st.....	From Westville st.....	"	"	200
Freeman st.....	From Faulkner st.	"	"	73
King st.....	At Adams st.....	"	"	75
Atherstone st.....	Fuller and Bailey sts.....	"	"	340
Arcadia pl.....	From Arcadia st.....	"	"	221
Blue Hill ave.....	Cheney and Seaver sts.....	"	"	1,309
Downer ave.....	From Sawyer ave.....	"	"	680
Crescent ave.....	Spring Garden and Sydney sts.....	"	"	99
May st.....	From Glenway st.....	"	"	236
Shepton st.....	Shawmut park and Denver st.....	"	"	718
Danube st.....	Brookford and Dewey sts.....	"	"	88
Preston court.....	From Gibson st.....	"	"	92
Mallett st.....	From Adams st....	"	"	459
Hartland st.....	From Tileston ave.....	"	"	36
Champney st.....	From Mercer st.....	S. B.	"	127
East Ninth st.....	Dorchester and Mercer sts.....	"	"	386
Mercer st.....	At Telegraph st.....	"	"	7
Knowlton st.....	" " "	"	"	3
Collins st.....	Bayswater st. and Austin ave.....	E. B.	"	477
Bremen st.....	Glendon court and Curtis st.....	"	"	408
Meridian st.....	Condor and W. Eagle sts.....	"	"	100
	Total 6-inch.....			42,807

**Statement of Private Mains Laid During the Year
ending Jan. 31, 1897.**

For Whom Laid.	Where Laid.	Size.	Length.
Park Department.....	Arborway, between Centre street and Hampstead road.....	10-inch.	3,087
“ “	Arborway, between Hampstead road and South street.....	“	378
	Total 10-inch.....		<u>3,465</u>
Park Department.....	Franklin Park, from Blue Hill avenue....	6-inch.	411
Dept. Public Institutions....	Parental School, Spring st., W. Roxbury,	“	397
	Total 6-inch.....		<u>808</u>
Dept. Public Institutions....	Rainsford's Island.....	4-inch.	824
Mt. Hope Cemetery Trustees,	Mt. Hope Cemetery, Walk Hill st.....	“	3,558
	Total 4-inch.....		<u>4,382</u>

Statement of Main Pipe Abandoned.

In what Street.	Between what Streets.	District.	Size.	Length.
Tremont st.	Boylston and Mason sts.	C. P.	40-in.	290
“ “	“ “ “ “	“	30-in.	550
“ “	Warrenton and Elliot sts.	“	“	1,015
Haymarket sq. ....	.....	“	24-in.	50
“ “ .....	.....	“	20-in.	90
Boston Common.	On line of Subway.	“	16-in.	100
Haymarket sq.	Sudbury and Canal sts.	“	“	110
Centre st.	Columbus ave. and Amory st.	Rox.	“	415
“ “	“ “ “ Ritchie st.	“	“	926
Amory st.	Stony Brook and Centre st.	“	“	285
Commonwealth ave. ...	At Cottage Farm station.	Bri.	“	510
“ “ ...	At Essex st.	“	“	10
Talbot ave.	At Blue Hill ave.	Dor.	“	30
	Total 16-in.			<u>2,386</u>
Hanover st.	No. Bennet and Charter sts.	C. P.	12-in.	469
“ “	Charter and Salutation sts.	“	“	22
“ “	Court and Portland sts.	“	“	419
“ “	Opp. Friend st.	“	“	30
Indiana st.	Washington st. and Harrison ave.	“	“	5
Washington st.	Haymarket sq. and Hanover st.	“	“	280
Ritchie st.	Stony Brook and Centre st.	Rox.	“	231
Amory st.	“ “ “ “ “	“	“	527
Centre st.	At Hogg's bridge.	“	“	160
“ “	Hogg's bridge and Wise st.	“	“	323
Lamartine st.	Centre and Roys st.	“	“	177
Centre st.	Columbus ave. and Amory st.	“	“	420
“ “	Wise st. and N.Y. N.H. & H. R.R.	“	“	36
Ruggles st.	At Roger's ave.	“	“	28
Centre st.	At Lamartine st.	“	“	7
Columbus ave.	Cedar and New Heath sts.	“	“	812
Centre st.	Columbus ave. and Ritchie st.	“	“	143
Ruggles st.	Columbus ave. and Duncan st.	“	“	331
	Carried forward.			<u>4,420</u>

Statement of Main Pipe Abandoned. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			4,420
Rogers ave.....	Near Ruggles st.....	Rox.	12-in.	7
Washington st.....	Near Dedham branch crossing.....	W. R.	"	42
Walk Hill st.....	Morton st. and railroad crossing.....	"	"	460
Boylston st.....	At N. Y., N. H. and H. R.R.....	"	"	77
Blue Hill ave.....	North of Walk Hill st.	Dor.	"	144
" " "	Grove Hall and Seaver sts.....	"	"	1,455
" " "	Columbia and Glenway sts.....	"	"	624
" " "	Glenway and Esmond sts.....	"	"	750
" " "	Canterbury and Angell sts.....	"	"	195
" " "	At Evelyn st.....	"	"	144
" " "	" Harvard st.....	"	"	235
" " "	Vaughn st. and Talbot ave.....	"	"	179
" " "	At Back st.....	"	"	44
Harvard st.....	" Blue Hill ave.....	"	"	133
Commonwealth ave...	" Cottage Farm station.....	Bri.	"	134
" " ..	Foster and Lake sts.....	"	"	1,275
Washington st.....	At Chestnut Hill ave.....	"	"	15
Central sq.....	Border and Bennington sts.....	E. B.	"	336
	Total 12-inch.....			10,669
Tremont st.....	Hollis and Warrenton sts.....	C. P.	8-in.	181
Mason st.....	Across Boston Common.....	"	"	194
West st.....	At Tremont st.	"	"	29
Boylston st.....	" " "	"	"	9
North st.....	Fleet and Lewis sts.....	"	"	96
Murdock st.....	No. Beacon and Spring sts.....	Bri.	"	5
Elmira st.....	Ætna and George sts.....	"	"	12
Back st.....	At Blue Hill ave.....	Dor.	"	309
Boston Harbor.....	Winthrop and Deer Island.....		"	1,428
	Total 8-inch.....			2,263
North Centre st.....	North and Hanover sts.....	C. P.	6-in.	15
North st.....	Fleet and Union sts.....	"	"	1,986
Cross st.....	Commercial st. and Haymarket sq...	"	"	1,508
	<i>Carried forward</i>			3,509

Statement of Main Pipe Abandoned.—*Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			3,509
Pine st.....	Harrison ave. and Washington st....	C. P.	6-in.	442
Garden-Court st.....	North sq. and Prince st.....	"	"	12
Brattle st.....	Court and Washington sts.....	"	"	476
North sq.....	Prince and North sts.....	"	"	422
Haymarket sq.....	Washington and Sudbury sts.....	"	"	112
Park st.....	Tremont and Beacon sts.....	"	"	76
"	At Tremont st.....	"	"	213
Water st.....	Liberty sq. and Broad st.....	"	"	306
Mason st.....	At Tremont st.....	"	"	22
Stillman st.....	Endicott and Charlestown sts.....	"	"	221
Warrenton st.....	Shawmut ave. and Tremont st.....	"	"	48
Malden st.....	Washington st. and Harrison ave....	"	"	560
Winter st... ..	Washington and Tremont sts.....	"	"	539
Bosworth st.....	Province and Tremont sts.....	"	"	7
Province st.....	Bromfield st. and Province court....	"	"	182
Ellot st.....	At Tremont st.....	"	"	4
Friend st.....	At Washington st.....	"	"	11
Mt. Vernon st.....	Beacon st. and Beacon Hill pl.....	"	"	110
Tremont st.....	School st and Scollay sq.....	"	"	4
West st.....	At Washington st.....	"	"	49
Dover st.....	Shawmut and Harrison aves.....	"	"	798
Hanover st.....	At Elm st.....	"	"	5
Tremont st.....	At Common st.....	"	"	60
Washington st.....	Haymarket sq. and Hanover st.....	"	"	95
Cross st.....	North and Hanover sts.....	"	"	22
"	North and Fulton sts.....	"	"	30
Congress sq.....	Off State st.....	"	"	72
Haskins st.....	Vernon and Ruggles sts.....	Rox.	"	654
Vernon st.....	Washington and Downing sts.....	"	"	1,616
Cabot st.....	At Vernon st.....	"	"	16
Carey st.....	Riverside and Terry sts.....	"	"	237
Plerpont st.....	Prentiss and Station sts.....	"	"	150
Station st.....	At Columbus ave.....	"	"	70
	<i>Carried forward</i>			11,150

Statement of Main Pipe Abandoned. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			11,150
Prentiss st.....	At Columbus ave.....	Rox.	6-in.	83
Riverside st.....	" " ".....	"	"	139
Weston st.....	" " ".....	"	"	100
Rogers ave.....	At Ruggles st.....	"	"	87
Prentiss st.....	Columbus ave. and Tremont st.....	"	"	184
Old Heath st.....	Columbus ave. and Albert st.....	"	"	83
Cliff st.....	Washington and Regent sts.....	"	"	889
New Heath st.....	Across Columbus ave.....	"	"	30
Cedar st.....	Across Columbus ave.....	"	"	32
Walpole st.....	Columbus ave. and Tremont st.....	"	"	299
Linden ave.....	Across Linden Park st.....	"	"	12
Eustis st.....	At Prescott st.....	"	"	12
Centre st.....	Columbus ave. and Richie st.....	"	"	81
Parker st.....	Across Centre st.....	"	"	51
Terrace st.....	New Heath st. and Parker pl.....	"	"	552
Larch pl.....	At N. Y., N. H. and H. R.R.....	W. R.	"	22
Crosby sq.....	" " " " ".....	"	"	32
Blue Hill ave.....	Grove Hall and Seaver st.....	Dor.	"	80
Gibson st.....	Adams st. and Dorchester ave.....	"	"	20
Gaylor st.....	At Washington st.....	"	"	20
Dix st.....	Adams st. and Dorchester ave.....	"	"	20
Athelwold st.....	From School st.....	"	"	350
Parkman st.....	Adams st. and Dorchester ave.....	"	"	20
McLellan st.....	From Blue Hill ave.....	"	"	165
Church st.....	Winter and High sts.....	"	"	363
Winter st.....	Adams and East sts.....	"	"	90
East st.....	Winter st. and Williams pl.....	"	"	329
Centrest.....	Washington st. and Railroad.....	"	"	177
Sleeper st.....	Congress st. and Railroad.....	S. B.	"	650
Farnsworth st.....	" " " " ".....	"	"	682
Essex st.....	At Commonwealth ave....	Brl.	"	89
Parker st.....	Cambridge and Perkins sts.....	Chn.	"	45
New st.....	Sumner and Maverick sts.....	E. B.	"	475
Boston Harbor.....	Squantum and Thompson's Island....	"	"	100
	Total 6-inch.....			17,513

Statement of Main Pipe Abandoned. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
Sun-Court st.....	North and Moon sts.....	C. P.	4-in.	27
Hanover ave.....	North and Hanover sts.....	"	"	48
Salutation st.....	" " " "	"	"	34
Norwich st.....	Mystic and Meander sts.....	"	"	235
Meander st.....	Norwich and East Dedham sts.....	"	"	222
Laconia st.....	Harrison ave. and Washington st....	"	"	620
Harris st.....	From Hanover st.....	"	"	16
Webster ave.....	" " "	"	"	16
Knapp st.....	Beach st. and Harrison ave	"	"	367
Cotting st.....	Lowell and Leverett sts.....	"	"	325
Prince st.....	Hanover and Garden-Court sts.....	"	"	171
Jackson pl.....	Off Winter st.....	"	"	15
Winter pl.....	" " "	"	"	21
Stillman pl.....	Stillman and Cooper sts.....	"	"	28
Union Park st.....	Washington st. and Harrison ave....	"	"	481
Acton st.....	" " " Bradford st....	"	"	305
Newland st.....	Pembroke and Trumbull sts.....	"	"	63
Bosworth st.....	Province and Tremont sts.....	"	"	230
James st.....	Concord and E. Newton sts.....	"	"	140
Province court.....	From Province st.....	"	"	95
Concord sq.....	Tremont st. and Columbus ave.....	"	"	594
Concord pl.....	From Concord sq.....	"	"	41
Dix pl.....	Off Washington st.....	"	"	333
Congress sq.....	" State st.....	"	"	105
Ohio st.....	Washington st. and Shawmut ave....	"	"	401
Seaver pl.....	Off Tremont st.....	"	"	143
Burroughs pl.....	" Hollis st.....	"	"	178
Kent st.....	At Vernon st.....	Rox.	"	20
Sterling st.....	Shawmut ave. and Washington st....	"	"	246
Newcomb st	Washington and Reed sts.....	"	"	183
Putnam st.....	At Roxbury st.....	"	"	31
Columbus ave.(private way).....	Cottage pl. and Prentiss st.....	"	"	118
Cottage pl.....	At Columbus ave.....	"	"	150
Culvert st.....	" " "	"	"	91
<i>Carried forward</i>				6,093

Statement of Main Pipe Abandoned. — *Concluded.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i>			6,093
Tabor st.....	Across Winslow st.....	Rox.	4-in.	73
Guild st.....	At Washington st.....	"	"	25
Culvert st.....	Columbus ave. and Tremont st.....	"	"	211
Kenilworth st.....	Across Dudley st.....	"	"	59
Cliff st.....	Washington and Regent sts.....	"	"	250
Glenwood st.....	Across Cliff st.	"	"	21
Grosvenor pl.....	" " "	"	"	10
Lamont st.....	" Linden Park st.....	"	"	36
Sanford pl.....	" E. Lenox st.....	"	"	27
Prescott st.....	" Eustis st.	"	"	29
Orchard st.....	" " "	"	"	22
St. off Parker st.....	Near Centre "	"	"	220
Cottage pl.....	Tremont st. and Columbus ave.....	"	"	130
Clark pl.....	Across Lamartine st.....	W. R.	"	28
Dove st.....	E and F sts.....	S. B.	"	547
Telegraph st.	At Thomas Park.....	"	"	36
" "	Dorchester st. and Thomas Park.	"	"	826
Gates st.....	At Telegraph st.....	"	"	65
Gold st.....	Near Railroad.....	"	"	130
Cross st.....	Border and New sts.....	E. B.	"	192
Webster st.....	Seaver and Cottage sts.....	"	"	40
Monument court.....	From Winthrop st.....	Chn.	"	215
Boston Harbor.....	Rainsford's Island.....		"	510
	Total 4-inch.....			9,795
Boston Harbor.....	Rainsford's Island....		3-in.	2,014

Statement of Main Pipe Abandoned on the J. P. A. System.

In what Street.	Between what Streets.	District.	Size.	Length.
Parker st.....	Madison court and Ruggles st.....	Rox.	12-in.	572
Ruggles st.....	Tremont and Parker sts.....	"	"	1,496
Ward st.....	At Huntington ave.....	"	"	26
St. Alphonsus st.....	At Ward st.....	"	"	11
	Total 12-inch.....			<u>2,105</u>
Greenleaf st.....	Near Huntington ave.....	Rox.	6-in.	392
Parker st.....	Greenleaf st. and Madison court.....	"	"	248
Columbus ave. (Berlin st.).....	Davenport and Walpole sts.....	"	"	800
Benton st.....	At Columbus ave.....	"	"	12
Burke st.....	" "	"	"	12
Coventry st.....	" "	"	"	10
Cunard st.....	" "	"	"	10
Rogers ave.....	At Ruggles st.....	"	"	88
Columbus ave. (Chapel st.).....	Sarsfield and Weston sts.....	"	"	220
Terry st.....	At Columbus ave.....	"	"	89
Sarsfield st.....	" "	"	"	100
Walpole st.....	" "	"	"	105
Rogers ave.....	Near Ruggles st.....	"	"	165
	Total 6-inch.....			<u>2,251</u>
Haskins st.....	Vernon and Ruggles sts.....	Rox.	4-in.	650
Columbus ave. (Berlin st.).....	Davenport and Walpole sts.....	"	"	70
Davenport st.....	At Columbus ave.....	"	"	10
" "	Tremont st. and Columbus ave.....	"	"	240
	Total 4-inch			<u>970</u>
Sarsfield st.....	Columbus ave. and Grinnell st.....	Rox.	3-in.	175

Statement of Main Pipe Lowered.

In what Street.	Between what Streets.	District.	Size.	Length.
Parker Hill ave.	Huntington ave. and Hillside st.	Rox.	12-in	221
Lamartine st.	Centre and Roys sts.	"	"	43
	Total 12-in.			<u>264</u>
Greenbrier st.	Bowdoin and Bloomfield sts.	Dor.	8-in.	800
Abbotsford st.	Walnut ave. and Harold st.	Rox.	6 in.	260
Shepherd ave.	At Huntington ave.	"	"	39
Boston Harbor.	Squantum and Thompson's Island. ...	"	"	420
	Total 6-in.			<u>719</u>

Gates Established and Abandoned during the Year and Number in use Jan. 31, 1897, exclusive of Blow-off and Private Gates.

	DIAMETER IN INCHES.													Total.
	48	40	36	30	24	20	16	12	10	8	6	4	3	
Number in use Jan. 31, 1896.....	6	7	28	51	63	49	150	1,413	99	845	3,713	824	13	7,261
Established during the year.....	.....	.....	1	3	3	5	30	140	21	97	255	10	.....	565
Abandoned during the year.....	.....	.....	.....	.....	1	1	1	24	.....	2	71	42	.....	142
Total number in use Jan. 31, 1897.....	6	7	29	54	65	53	179	1,529	120	940	3,897	792	13	7,684

Blow-off Gates Established and Abandoned during the Year.

	DIAMETER IN INCHES.		Total.
	4	6	
Number established.....	12	2	14
Number abandoned.....	2	1	3
Increase.....	10	1	11

Private Gates Established and Abandoned during the Year.

	DIAMETER IN INCHES.				Total.
	4	6	8	10	
Number established.....	7	5	1	2	15
Number abandoned.....					
Increase.....	7	5	1	2	15

Hydrants Established and Abandoned during the Year.

	ESTABLISHED.				Totals.	ABANDONED.				Totals.	Increase.
	Lowry.	Post.	B. Lowry.	Boston.		Lowry.	Post.	B. Lowry.	Boston.		
City Proper (Public).....	51	29	4	...	84	28	2	4	49	83	1
" (Private).....		5	.....	.....	5	...	2	.....	...	2	3
South Boston (Public).....	6	18	2	...	26	5	...	2	14	21	5
East Boston (Public).....	12	22	3	...	37	...	...	2	20	22	15
Roxbury (Public).....	19	67	18	...	104	38	3	13	9	63	41
Dorchester (Public).....	8	136	37	...	181	8	17	23	3	51	130
West Roxbury (Public)...	1	19	27	1	48	1	1	11	3	16	32
" (Private)...		2	.....	.....	2	...	.....	.....	.....	.....	2
Brighton (Public).....	1	18	14	1	34	1	3	8	1	13	21
Charlestown (Public).....	2	.....	.....	.....	2	...	.....	.....	.....	.....	2
Rainsford's Island (Private)	.....	.....	3	.....	3	...	.....	.....	.....	.....	3
Total Public.....	100	309	105	2	516	81	26	63	99	269	247
Total Private.....	.....	7	3	.....	10	...	2	.....	.....	2	8

Total Number of Hydrants in use Jan. 31, 1897

	Lowry.	Post.	B. Lowry.	Boston Y.	Boston.	Totals.	Notes.
City Proper (Public).....	727	301	58	....	390	1,476	
“ “ (Private).....	....	10	.....	....	46*	56	* 27 not for fire.
South Boston (Public)....	219	111	23	...	202	555	
“ “ (Private)...	2	9	.....	1	33*	45	* 2 not for fire.
East Boston (Public).....	144	119	25	....	91	379	
“ “ (Private)....	8	7	.....	....	25*	40	* 7 not for fire.
Roxbury (Public).....	642	325	82	....	67	1,116	
“ (Private).....	1*	.....	.....	.....	10*	11	* 1 Lowry } * 1 Boston } not for fire.
Dorchester (Public).....	580	669	239	....	52	1,540	
“ (Private).....	.....	.....	1	....	5*	6	* 2 not for fire.
West Roxbury (Public)...	129	555	198	....	41	923	
“ “ (Private).....	.....	13	.....	.....	1	14	
Brighton (Public).....	78	313	70	....	30	491	
“ (Private).....	.....	6	.....	.....	2*	8	* 2 not for fire.
Charlestown (Public)....	205	38	36	....	4	283	
“ (Private)....	14	36	1	....	6*	57	* 1 not for fire.
Deer Island (Private).....	.....	18	.....	.....	.....	18	
Long Island (Private).....	.....	6	.....	.....	.....	6	
Thompson's Island (Private).....	.....	2	.....	.....	.....	2	
Galloupe's Island (Private).....	.....	1	.....	.....	1*	2	* 1 not for fire.
Rainsford's Island (Private).....	.....	1	3	....	1*	5	* 1 not for fire.
Pumping Station, West Somerville (Private)....	.....	2	.....	....	1	3	
Brookline.....	5	.....	.....	.....	3	8	
Chelsea.....	.....	.....	.....	.....	7	7	
Quincy.....	.....	7	.....	.....	.....	7	
Medford.....	.....	2	.....	.....	6	8	
Total number Public Hydrants.....	2,724	2,431	731	....	877	6,763	
Total number Private and Suburban Hydrants	30	120	5	1	147	303	

Water-Posts.

DISTRICT.	Number in use Jan. 31, 1896.	Established during the Year.	Abandoned during the Year.	Number in use Jan. 30, 1897.
City Proper.....	53	1	.....	54
South Boston.....	28	.....	.....	28
East Boston.	32	.....	.....	32
Roxbury.....	69	.....	.....	69
Dorchester.....	80	1	1	80
West Roxbury.....	69	6	.....	75
Brighton.....	47	.....	.....	47
Charlestown.....	20	.....	.....	20
	398	8	1	405

Meters Applied.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Worthington.....	.....	1	1	16	11	36	33	.....	98
Crown.....	1	5	6	11	12	27	28	54	144
Hersey.....	.....	.....	.....	2	9	6	13	1	31
Metropolitan.....	.....	.....	.....	.....	3	4	42	.....	49
B. W. W.....	.....	.....	.....	.....	.....	.....	4	.....	4
Gem.....	1	3	.....	.....	.....	.....	.....	.....	4
Torrent.....	1	.....	.....	.....	.....	.....	.....	.....	1
Totals.....	3	9	7	29	35	73	120	55	331

Meters Discontinued.

	DIAMETER IN INCHES.							Totals.
	4	3	2	1½	1	¾	⅝	
Worthington.....	1	.....	7	8	35	39	3	93
Crown.....	2	6	5	8	11	31	125	188
Hersey.....	.....	.....	.....	7	9	17	3	36
Metropolitan.....	.....	.....	.....	3	14	65	.....	82
B. W. W.....	.....	.....	.....	.....	.....	5	.....	5
Champion.....	.....	.....	.....	.....	.....	1	.....	1
Ball & Fitts.....	.....	.....	.....	.....	1	.....	.....	1
Totals.....	3	6	12	26	70	158	131	406

Meters Changed.

CAUSE.	Total.
Not registering.....	373
Test.....	622
No force.....	99
Change of location.....	14
Leak at spindle.....	29
Clock broken.....	70
Clock defaced.....	19
Leak at packing.....	43
Unsatisfactory.....	121
Enlargement.....	56
Spindle stuck.....	5
Stoppage.....	38
Burst.....	3
Size decreased.....	1
Frost.....	27
	1,520

Meters in Service, Jan. 31, 1897.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Worthington.....	2	22	34	156	114	598	426	17	1,369
Crown.....	6	37	47	78	151	338	431	1,203	2,291
Hersey.....		4	10	24	32	65	160	17	312
Metropolitan.....				4	21	123	648	3	799
Thomson.....								4	4
B. W. W.....							40		40
Gem.....	1	5	1						7
Ball & Fitts.....			1				1	1	3
Champion.....							1		1
Torrent.....	1								1
Totals.....	10	68	93	262	318	1,124	1,707	1,245	4,827

Meters Purchased.

	DIAMETER IN INCHES.							Totals.
	6	4	3	2	1	1	¾	
Worthington.....						4		4
Crown.....	1	5	1	9	13	28	6	63
Hersey.....						4		4
Gem.....	1							1
Totals.....	2	5	1	9	13	36	6	72

Meters Sent to Factory for Repairs.

	DIAMETER IN INCHES.					Totals.
	2	1½	1	¾	⅝	
Worthington.....	6					6
Crown.....	8	11	40	46	133	238
Hersey.....		2		5		7
Metropolitan.....				3		3
Totals.....	14	13	40	54	133	254

Meters Repaired in Service.

Cause.	Totals.
Leak at coupling.....	35
Leak at spindle.....	132
Gear broken.....	6
Cap broken.....	3
Ratchet broken.....	7
Leak at nipple.....	5
Leak at packing.....	7
Leak at piston.....	3
Flange broken.....	1
Screw broken.....	1
Clock defaced.....	88
Clock broken.....	117
Unsatisfactory.....	35
Hot water.....	1
Total	441

**General Statement of Meters for the Year ending
Jan. 31, 1897.**

	Meters.	Boxes.
In service Jan. 31, 1897.....	4,827	
New set.....	331	97
Discontinued.....	406	
Changed.....	1,520	
Changed location.....	20	
Tested.....	2,886	
Repaired at shop.....	1,020	
Repaired at factory.....	254	
Repaired in service.....	441	62
Purchased.....	72	

Repairs of Pipes during the Year ending Jan. 31, 1897.

	DIAMETER OF PIPES IN INCHES.																				Tot'ls		
	48	42	40	36	30	28	24	20	16	12	10	8	6	4	3	2	1½	1¼	1	¾	½	¼	
City Proper..	2	2	5	1	132	1	8	16	28	143	2	125	137	44	7	21	14	5	50	18	692	9	1,462
So. Boston...	...	...	...	...	4	...	...	...	...	18	...	2	19	3	2	5	...	...	1	...	224	8	286
E. Boston....	...	...	...	...	...	...	1	...	1	3	3	...	4	2	...	3	3	...	...	4	55	4	83
Roxbury.....	1	...	...	2	1	...	4	2	3	18	...	3	10	3	1	5	2	...	9	8	397	15	484
Dorchester...	...	...	...	...	...	...	...	...	2	11	...	...	13	...	...	5	1	...	...	1	178	3	214
W. Roxbury..	...	...	...	...	1	...	...	1	...	12	1	1	10	...	...	3	...	...	8	...	106	2	145
Brighton.....	...	...	...	2	...	...	...	...	...	1	...	...	1	1	...	2	...	...	...	...	24	...	31
Charlestown..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	9	...	...	...	5	61	2	81
Brookline....	2	1	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Long Island..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Galloupe's Island.....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Totals.....	5	3	5	5	143	1	13	19	34	206	6	132	195	53	13	54	20	5	68	36	1,737	43	2,796

Causes of repairs that have been made on pipes of 4-inch diameter and upwards: —

Blasting	7	
Defective joints	142	
“ stop-cocks	119	
“ pipes	34	
“ packing	54	
Frozen	8	
In way of West End Street Railway	25	
Joints strained by settling in subway	406	
On account of Sewer Division	6	
Settling of earth	14	
Struck by pick	5	
		820
On 3-inch and on service-pipes :		
Broken in wall	20	
“ “ sewer	122	
“ by builders of subway	196	
“ “ team	1	
“ “ steam-roller	1	
Carried forward	340	820

<i>Brought forward</i>	340	820
Broken by blasting	2	
“ “ pick	90	
“ “ settling of earth	219	
Defective pipe	160	
“ joints	47	
“ stop-cocks	66	
“ packing	16	
“ coupling	29	
“ valve	18	
Eaten by soil	10	
“ “ electricity	1	
Frozen	22	
Gnawed by rats	9	
In way of West End Street Railway	5	
“ “ “ N. Y., N. H. and H. R.R.	26	
Relaying main pipe	251	
Stopped by rust	486	
“ “ dirt	72	
“ “ fish	105	
“ “ gasket	2	
	—	1,976
		<u>2,796</u>

Statement of Miscellaneous Work Performed during the Year.

Locations of gates marked and re-marked	5,099
Dead ends blown off	425
Hydrant barrels changed for repairs	181
“ boxes repaired in service	349
“ renewed	86
“ nipples put in	56
Hydrants changed on account of no guides	51
“ repaired in service	1,955
Hydrant boxes cleaned out	2,799
Boxes over bridges repaired	10
Main cocks renewed	23
Sidewalk cocks renewed	50
New sidewalk cocks put on old services	66
“ “ uprights “ “ “	66
Sidewalk uprights raised or lowered	237
“ “ moved on account of edgestone	37
New main uprights put on	4

Stopcock or gate boxes repaired in service . . .	570
“ “ “ “ renewed	212
Water posts repaired	284
Number of examinations caused by false reports . .	841
Fire reservoirs repaired	3

Statement of Leaks and Stoppages, from 1850 to 1896.

YEAR.	DIAMETER IN INCHES.		TOTAL.
	Four inches and upwards.	Less than four inches.	
1850.....	32	72	104
1851.....	64	173	237
1852.....	82	241	323
1853.....	85	260	345
1854.....	74	280	354
1855.....	75	219	294
1856.....	75	232	307
1857.....	85	278	363
1858.....	77	234	311
1859.....	82	449	531
1860.....	134	458	592
1861.....	109	399	508
1862.....	117	373	490
1863.....	97	397	494
1864.....	95	394	489
1865.....	111	496	607
1866.....	139	536	675
1867.....	122	487	609
1868.....	82	449	531
1869.....	82	407	489
1870.....	157	707	864
1871.....	185	1,380	1,565
1872.....	188	1,459	1,647
1873.....	153	1,076	1,229
1874.....	434	2,160	2,594
1875.....	203	725	928
1876.....	214	734	948
1877.....	109	801	910
1878.....	213	1,024	1,237
1879.....	211	995	1,206

Statement of Leaks and Stoppages, from 1850 to 1896.—
Concluded.

YEAR.	DIAMETER IN INCHES.		TOTAL.
	Four inches and upwards.	Less than four inches.	
1880.....	135	929	1,064
1881.....	145	883	1,028
1882.....	170	1,248	1,418
1883.....	171	732	953
1884.....	253	1,127	1,380
1885.....	111	638	749
1886.....	150	725	875
1887.....	172	869	1,041
1888.....	216	1,140	1,356
1889.....	183	849	1,032
1890.....	180	718	898
1891.....	194	758	952
1892.....	212	1,232	1,444
1893.....	327	1,555	1,882
1894.....	349	1,354	1,703
1895.....	215	1,320	1,535
1896.....	820	1,976	2,796

TABLES SHOWING DETAILS OF WORK PERFORMED IN SOMERVILLE, CHELSEA
AND EVERETT.

Length of Distributing Mains connected with Works, Jan. 31, 1897.

	DIAMETER IN INCHES.											Totals.
	3-in.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	18-in.	20-in.	24-in.	
Somerville	5,482	55,177	182,821	67,253	30,958	37,044	8,037	1,044	387	1,203	.....	389,406
Chelsea	12,671	34,898	81,283	20,152	36,420	.....	.....	2,348	.....	.....	.....	187,772
Everett	788	55,540	88,424	13,416	18,162	1,937	206	2,233	.....	2,900	2,485	186,091
Totals	18,941	145,615	352,528	100,821	85,540	38,981	8,243	5,625	387	4,103	2,485	763,269

Number of Gates connected with Works, Jan. 31, 1897.

	3-in.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	24-in.	Totals.
Somerville.....	4	164	417	98	59	69	.....	3	1	.....	815
Chelsea	28	169	130	33	27	.....	.....	.....	.....	.....	387
Everett	2	159	350	29	37	4	1	4	4	2	592
Totals.....	34	492	897	160	123	73	1	7	5	2	1,794

New Services.

	SIZE.							Total ft.
	$\frac{1}{2}$ -in.	$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	Total.	
Somerville.....			434	9	6	2	453	10,411
Chelsea.....	30	60	3				93	2,650
Everett.....		219		12			231	4,614
Totals.....	30	279	437	21	6	2	777	17,675

Summary of Services.

	Somerville.	Chelsea.	Everett.	Totals.
Number of services	9,039	5,848	3,785	18,672
Number of feet	301,938	151,893	75,820	529,651

Distribution-Pipes Relaid.

LOCATIONS.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	Totals.
Somerville:							
Auburn avenue.....	4-in.		626				626
Autumn street	4-in.		440				440
Benedict street.....	4-in.		535				535
Bonair street	4-in.		13	1,561			1,574
Brastow avenue.....	4-in.		581				581
Brook street	4-in.		556				556
Cherry street.....	4-in.			1,305			1,305
Clyde street	4-in.		5	596			601
Cross street	4-in.		18				18
“ “	6-in.					2,244	2,244
Cross Street place.....	4-in.	150	13				163
Dana street.....	6-in.		450				450
Flint street.....	6-in.			1,093			1,093
Gilman street.....	4-in.		14				14
“ “	6-in.				1,461		1,461
Glen street.....	4-in.		1,162				1,162
Carried forward.....		150	4,413	4,555	1,461	2,244	12,823

Distribution-Pipes Relaid — *Concluded.*

LOCATIONS.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	Totals.
<i>Brought forward</i>		150	4,413	4,555	1,461	2,244	12,823
Highland avenue.....	10-in.				573		573
Houghton street	4 in.		6		232		238
Holland street.....	6-in.		10				10
“ “	10-in.					455	455
James street.....	6-in.		20				20
Lowell street	6-in.					213	213
Murdock street.....	4-in.		5	884			889
Mystic avenue	4-in.		171				171
“ “	6-in.				236		236
Oliver street.....	4-in.			724			724
Otis street.....	4-in.			368			368
Perkins place	3-in.	2					2
Perkins street.....	6-in.		10	1,139			1,149
Pinckney street	6-in.		29	1,210			1,239
Porter street	4-in.			1,188			1,188
Rush street.....	4-in.		3	1,474			1,477
Sargent avenue	4-in.		1,110				1,110
Shawmut street	4-in.			46			46
Tufts street	6-in.		13			935	948
Union street.....	4-in.		6			322	328
Veazie street.....	6-in.		189				189
Wigglesworth street...	6-in.		361				361
Williams court.....	3-in.	164					164
Wilson avenue	2-in.	300					300
Webster street	6-in.		6	531			537
Chelsea:							
Franklin street.....	4-in.		526				526
Harvard street.....	4-in.		343				343
Washington street....	3 & 4-in.				1,289		1,289
Congress avenue.....	4-in.		625				625
Hawthorne street.....	4-in.		1,132				1,132
Miller street.....	3-in.		142				142
Ellsworth street.....	4-in.		549				549
Bellingham street.....	4-in.		480				480
Willow street.....	4 in.			913			913
<i>Carried forward</i>		616	10,149	13,032	3,791	4,169	31,757

Distribution-Pipes Relaid.—*Concluded.*

LOCATIONS.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	Totals.
<i>Brought forward</i>		616	10,149	13,032	3,791	4,169	31,757
Central avenue	6-in.			892			892
Highland street	6-in.			1,180			1,180
China street	3 & 4-in.		418				418
Franklin avenue	4-in.		1,000				1,000
Spruce street.	4-in.		208				208
Warren avenue	4-in.		190				190
Gardner street.	4-in.		814				814
John street	4-in.		744				744
Sturgis street	4-in.		114				114
Forsyth street	4-in.		443				443
Heard street	4-in.		560				560
“ “	4-in.			150			150
Cary avenue	6-in.		121				121
Spencer avenue	4-in.		251				251
Broadway	4-in.		481				481
Bellingham street	4-in.		530				530
Cherry street	3-in.		570				570
Jefferson street	4-in.		1,100				1,100
Crescent avenue	6-in.			436			436
Everett:							
Chelsea street	6-in.			1,480			1,480
Courtland street	4-in.		1,041				1,041
Totals		616	18,734	17,170	3,791	4,169	44,480

Extension of Distribution-Pipes.

LOCATIONS.	3-in.	6-in.	8-in.	10-in.	12-in.	16-in.	20-in.	Totals.
Somerville:								
Alpine street		730						730
Auburn avenue		5						5
Beach avenue		256						256
Beacon street		50						50
Bedford street		166						166
Benton avenue				307				307
<i>Carried forward</i>		1,207		307				1,514

Extension of Distribution-Pipes. — *Continued.*

LOCATIONS.	3-in.	6-in.	8-in.	10-in.	12-in.	16-in.	20-in.	Totals.
<i>Brought forward</i>		1,207		307				1,514
Bolton street.....		529						529
Bonair street.....		43						43
Brastow avenue.....		21						21
Brooks street.....		190						190
Cherry street.....		21						21
Cleveland street...		242						242
Clyde street.....		5						5
College avenue.....		4			748			752
Columbia court.....		260						260
Columbia street.....				549				549
Conlon court.....		115						115
Cross street.....		18						18
East Albion street..				396				396
Earle street		239						239
Electric avenue.....		474						474
Flint street.....		14						14
Fremont street.....		6		180				186
Garfield avenue....		1,113						1,113
Gilman street.....		21						21
Glass House court..						48		48
Glen street.....		28						28
Hall avenue.....		7		200				207
Harding street.....		115						115
Highland avenue ..		33			150			183
Houghton street...				553				553
Hudson street.....		18						18
Hunting street.....		125						125
Ibbetson street ...		12	562					574
Jenny Lind avenue,		15						15
Liberty avenue			15					15
Lowell street.....		6		429	186			621
Moreland street...		466						466
Mt. Vernon street..		6						6
Monmouth street...		100						100
Murdock street. ...		5						5
<i>Carried forward</i>		5,458	577	2,614	1,084	48		9,781

Extension of Distribution-Pipes.— *Continued.*

LOCATIONS.	3-in.	6-in.	8-in.	10-in.	12-in.	16-in.	20-in.	Total's.
<i>Brought forward</i>		5,458	577	2,614	1,084	48		9,781
Museum street.....		223						223
Mystic avenue.....		11						11
Mystic street.....		364						364
Norfolk street.....		353						353
Norwood avenue...		20						20
Oak street.....		1,268						1,268
Oliver street.....		7						7
Otis street		6						6
Partridge avenue..		12						12
Paulina street....		32		577				609
Perkins street....		6						6
Pinckney street....		20						20
Porter street		15						15
Princeton street...		653						653
Prospect street....		4		1,022				1,026
Rush street.....		13						13
Sargent avenue....		14						14
Sartwell avenue...		280						280
Shawmut street....		20						20
South street.....	128	10		417				555
Spring Hill terrace,		743						743
Stone avenue.....		535						535
Tufts		13						13
Tremont street....		652						652
Trull street.....		14	7					21
Union street		6						6
Victoria street....		468						468
Water street.....		15		373				388
Webster avenue...				559			140	699
Webster street....		6						6
Westminster street		138						138
Willow place		132						132
Winslow avenue...		469						469
Woodbine street...		250						250
Broadway park....		3						3
<i>Carried forward</i>	128	12,233	584	5,562	1,084	48	140	19,779

Extension of Distribution-Pipes.—*Concluded.*

LOCATIONS.	3-in.	6-in.	8-in.	10-in.	12-in.	16-in.	20-in.	Totals.
<i>Brought forward..</i>	128	12,233	584	5,562	1,084	48	140	19,779
Chelsea:								
Garfield avenue		426						426
Washington avenue				710				710
“ “		1,208						1,208
Marlboro street.....		121						121
Ellsworth street.....		110						110
Suffolk street.....		200						200
Highland street.....			187					187
Summit street.....		200						200
Lambert avenue.....		277						277
Everett:								
Shute street.....		94						94
Robbins street.....		294						294
Glendale avenue.....		108						108
Clay avenue.....		147						147
Vine street.....		25						25
Tileston street.....		134						134
Bur'ett street.....		157						157
Emery street.....		180						180
Woodward street.....		240						240
Gledhill street.....		270						270
Russell street.....		185						185
Cedar street.....		84						84
Rock Valley.....		380						380
Derne street.....		178						178
Jefferson avenue.....		252						252
Prospect street.....		250						250
Hamilton street.....		618						618
Glendale street.....		895						895
Pleasant avenue.....		26						26
Elm road.....		226						226
Elmway.....		142						142
Francis street.....		42						42
Bowdoin street.....		250						250
Totals.....	128	19,952	771	6,272	1,084	48	140	28,395

Hydrant Statement.

	ESTABLISHED.	ABANDONED.	Increase.	Total number in use Jan. 31, 1897.
	Post.	Post.		Post.
Somerville.....	93	21	72	764
Chelsea.....	28	17	11	224
Everett.....	11	.....	11	295
Totals.....	132	38	94	1,283

Water Posts.

	Number in use Jan. 31, 1896.	Established during the year.	Abandoned during the year.	Number in use Jan. 31, 1897.
Somerville.....	44	7	.....	51
Chelsea.....	5	9	.....	14
Everett.....	19	12	.....	31
Totals.....	68	28	.....	96

Breaks and Leaks on Distribution-Pipes.

	SIZE.				Totals.
	4-in.	6-in.	10-in.	12-in.	
Somerville.....	8	15	1	1	25
Chelsea.....	17	3	.....	.....	20
Everett.....	—	—	—	—	—
Totals.....	25	18	1	1	45

APPENDIX E.

REPORT OF THE ENGINEER.

ENGINEERING DEPARTMENT, CITY HALL, Feb. 1, 1897.

HON. JOHN R. MURPHY,

Water Commissioner :

SIR: I hereby submit the following report of the work done and records kept during the past year: —

SOURCES OF SUPPLY.

The rainfall during the year 1896 was about 10 per cent below the average for the past thirty-four years and the conditions so serious as to arouse fears of a scarcity of water, which fortunately were not realized.

The rainfall and quantities collected on the several water-sheds were as follows: —

	Sudbury.	Cochituate.	Mystic.
Rainfall, in inches.....	43.705	42.780	39.795
Rainfall collected, in inches.....	21.453	20.834	19.044
Daily average yield of water- shed, in gallons..... }	76,628,967	18,667,700	24,302,000

Reservoir No. 1.

Grades, H.W., 161.00; Tops of Flash-boards, 159.29 and 158.41; Crest of Dam, 157.54; Area, Water Surface, 143 acres; Greatest Depth, 14 ft.; Contents below 161.00, 376,900,000 gals.; Below 159.29, 288,400,000 gals.

The surface of this reservoir was at grade 158.11 on Jan. 1, 1896, at this time water was wasting over the dam, and so continued until April 13, when the flash-boards were placed in position.

On April 16 waste began over the flash-boards and continued until May 1. On August 7 the flash-boards were

removed from the dam. On November 7 the water surface reached grade 157.67 and waste began and continued until December 3.

The water surface again reached the crest of the dam on Jan. 8, 1897, waste began and continued until the 12th. On Feb. 1, 1897, the water surface was at grade 156.13. The dam is in good condition.

Reservoir No. 2.

Grades, H.W., 168.00; Tops of Flash-boards, 167.12 and 166.49; Crest of Dam, 165.87; Area, Water Surface, 134 acres; Greatest Depth, 17 ft.; Contents below 168.00, 568,300,000 gals.; Below 167.12, 529,860,000 gals.

On Jan. 1, 1896, water was wasting over dam, the water surface being at grade 166.17. Waste continued until April 13, when the flash-boards were placed upon the dam. On April 16 waste began over flash-boards and continued until May 28, excepting April 19, 20, and 29. On August 7 the flash-boards were removed. On March 31 the reservoir was drawn upon for the supply of the city. Water was run into reservoir, from reservoirs No. 4 and 6, during a few days in March; from reservoir No. 4 during July; from reservoirs No. 4 and 6 during August and September; and from reservoir No. 6 during October and twenty days of November. On Feb. 1, 1897, the water surface was at grade 161.37. The dam is in good condition.

Reservoir No. 3.

Grades, H.W., 177.00; Crest of Dam (no Flash-boards), 175.24. Area at 177.00, 253 acres; Contents below 177.00, 1,224,500,000 gallons. Area at 175.24, 248 acres; Contents below 175.24, 1,081,500,000 gallons. Greatest Depth, 21 ft.

On Jan. 1, 1896, water was wasting over crest of dam, and this waste continued until May 12, with the exception of March 17 to March 22. From May 13 the water surface fell slowly, and on August 6 it was 7.01 feet below the crest of the dam. Filling gradually, from August 6, the water surface reached the crest of the dam on November 5, and from that date until December 27 water wasted over the dam. On Feb. 1, 1897, the water surface was at grade 173.31. The dam is in good condition.

Reservoir No. 4.

Grades, H.W., 215.21; Tops of Flash-boards, 215.21+ and 214.89; Crest of Dam, 214.23. Area, Water Surface, 167 acres; Greatest Depth, 49 ft.; Contents below 215.21, 1,416,400,000 gallons.

On Jan. 1, 1896, the water surface in this reservoir was .37 feet below the crest of the dam. On January 3 waste began and continued until April 13, excepting March 19, 20 and 21.

On April 13 one set of flash-boards was placed upon the dam, and waste occurred over this set on April 16 and 17. On April 18 the second set of flash-boards were placed in position, and waste continued until June 27. On June 26 the reservoir was drawn upon for the supply of the city, and on September 29 the water surface had fallen 32.11 feet below the crest of the dam.

Since September 29 it has been gradually filling, and on Feb. 1, 1897, the water surface was at grade 199.80.

The dam is in good condition.

Reservoir No. 6.

Grades, H.W., 295.00; Top of Flash-boards, 295.00; Crest of Dam, 294.00. Estimated Area, 185 acres; Estimated Contents, 1,530,300,000 gals.

On Jan. 1, 1896, the water surface in this reservoir was at grade 294.39 and water was wasting over the dam, and so continued until April 13, with the exception of March 19, 20, 21 and 22.

On April 13 one set of flash-boards was placed on the dam, and on April 17 the second set was placed in position.

On April 20 the second set was removed and waste occurred from April 20 to April 28, on which date the second set was again placed upon the dam. Water wasted over the dam from May 3 to May 14, also from May 29 to June 20. On August 14 the flash-boards were removed. On August 1 the water surface began to fall and reached its lowest point on November 20, being 32.31 feet below the crest of the dam on that date, since then it has been gradually filling, and on Feb. 1, 1897, the water surface was at grade 271.59. The dam is in good condition.

Whitehall Pond.

Elevation, H.W., 327.91; Bottom of Gates, 317.78. Area at 327.91, 601 acres; contents, between 327.91 and 317.78, 1,256,900,000 gals.

On Jan. 1, 1896, the water surface was at grade 325.29, or 2.62 feet below high water. It reached grade 326.52 on April 20, and remained at about this height until July 1, when the water surface began to fall slowly, being at grade 324.70 on November 2. Since that date it has remained at about this grade, being, on Feb. 1, 1897, at grade 325.45. Water was drawn from the lake for the supply of the city from January 1 to March 29, from September 16 to October 14, and from November 17 to 30.

It was decided to build a temporary dam, in order to raise the water in this basin two feet; this work is now in progress. The storage capacity will be increased about 400,000,000 gallons.

Farm Pond.

Grades, H.W., 149.25; Low Water, 146.00. Area at 149.25, 159 acres; Contents, between 149.25 and 146.00, 165,500,000 gals.

No water has been drawn from this pond for the supply of the city during the year 1896. On Jan. 1, 1896, the surface of the pond was at grade 149.67 or .42 feet above high water mark, the water surface rose slowly during January, and on February 12 was at grade 150.22. During March and April it remained at about grade 149.50. It began to fall in May and reached the lowest point of the year on September 5, being at grade 148.21 on that date. During the remainder of the year it has remained at about grade 148.80, being at grade 149.00 on Feb. 1, 1897.

The Framingham Water Co. has drawn 139,300,000 gallons from the pond during the year.

Lake Cochituate.

Grades, H.W., 134.36; Invert Aqueduct, 121.03; Top of Aqueduct, 127.36. Area, Water Surface at 134.36, 785 acres; Contents, between 134.36 and 127.36, 1,515,180,000 gals.; between 134.36 and 125.03, 1,910,280,000 gals.; Approximate Contents, between 134.36 and 121.03, 2,447,000,000 gals.; Between 134.36 and 117.03, 2,907,000,000 gals.

The dam is in good condition. On Jan. 1, 1896, the surface of the lake was 2.06 feet below high water mark; filling gradually, high water mark was reached on April 24. The water surface fell during the remainder of the year, being at grade 128.75 or 5.61 feet below high water mark on Feb. 1, 1897.

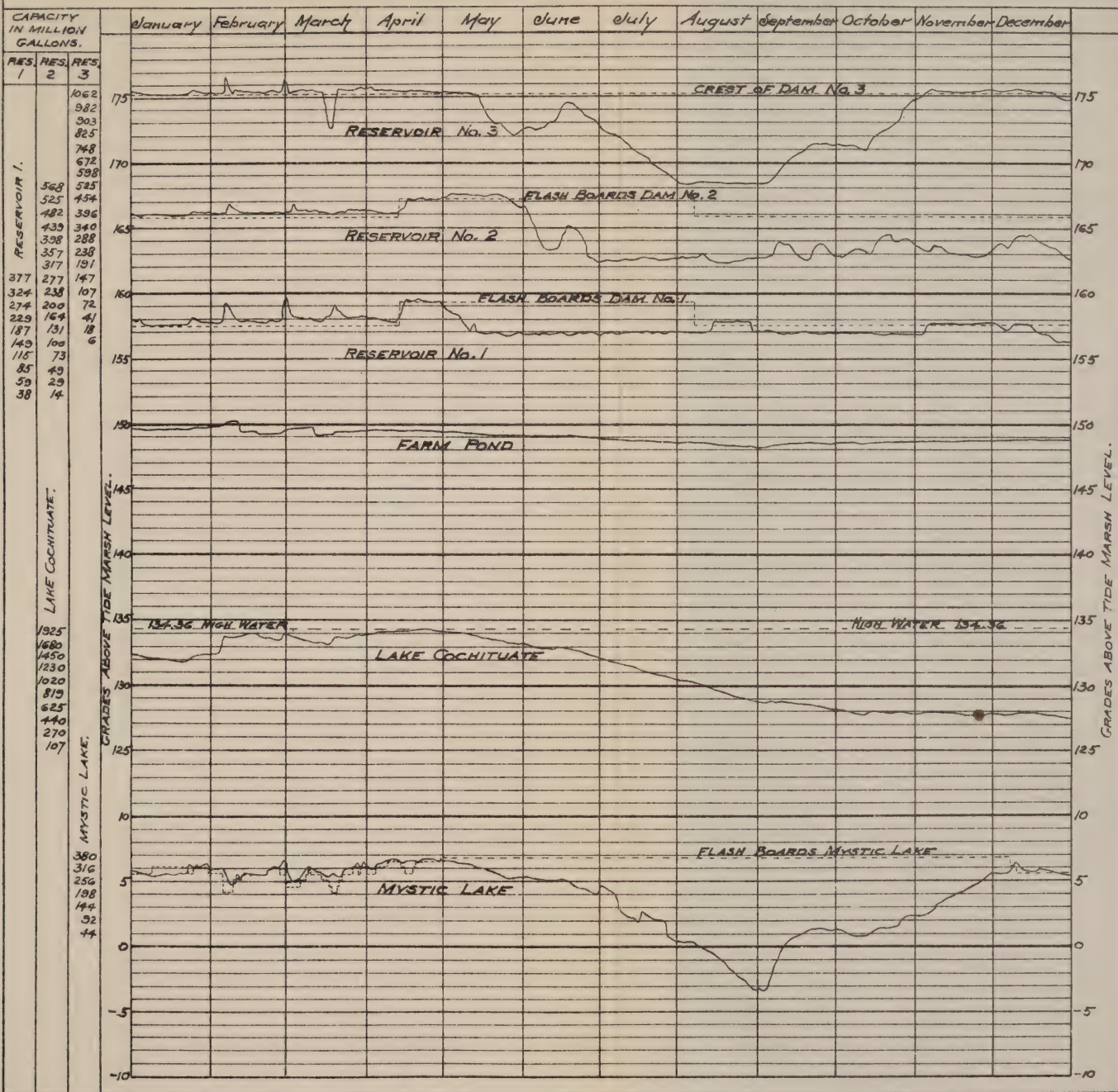
The beds for filtering the water of Pegan brook have been in use for the greater portion of the year and 258,099,000 gallons have been pumped upon them. No difficulty has been experienced in their operation during the winter season. Water has been drawn from the different reservoirs as follows:—

From	7	A.M.	Jan. 1	to	12	M.	Jan. 6	from Reservoir	No. 2.
"	12	M.	Jan. 6	"	11	A.M.	Mar. 31	"	No. 1.
"	11	A.M.	Mar. 31	"	5	P.M.	Apr. 15	"	Nos. 1, 2.
"	5	P.M.	Apr. 15	"	9	A.M.	Apr. 17	No flow.	
"	9	A.M.	Apr. 17	"	2	P.M.	May 13	from Reservoir	Nos. 1, 2.
"	2	P.M.	May 13	"	12.30	P.M.	May 15	No flow.	
"	12.30	P.M.	May 15	"	11	A.M.	Nov. 5	from Reservoir	Nos. 1, 2.
"	11	A.M.	Nov. 5	"	7	A.M.	Nov. 18	"	No. 2.
"	7	A.M.	Nov. 18	"	1.30	P.M.	Dec. 17	"	Nos. 1, 2.
"	1.30	P.M.	Dec. 17	"	2.45	P.M.	Dec. 17	"	No. 1.
"	2.45	P.M.	Dec. 17	"	7	A.M.	Feb. 1, 1897	"	Nos. 1, 2.

The height of the water in the various storage reservoirs on the first day of each month is as follows:—

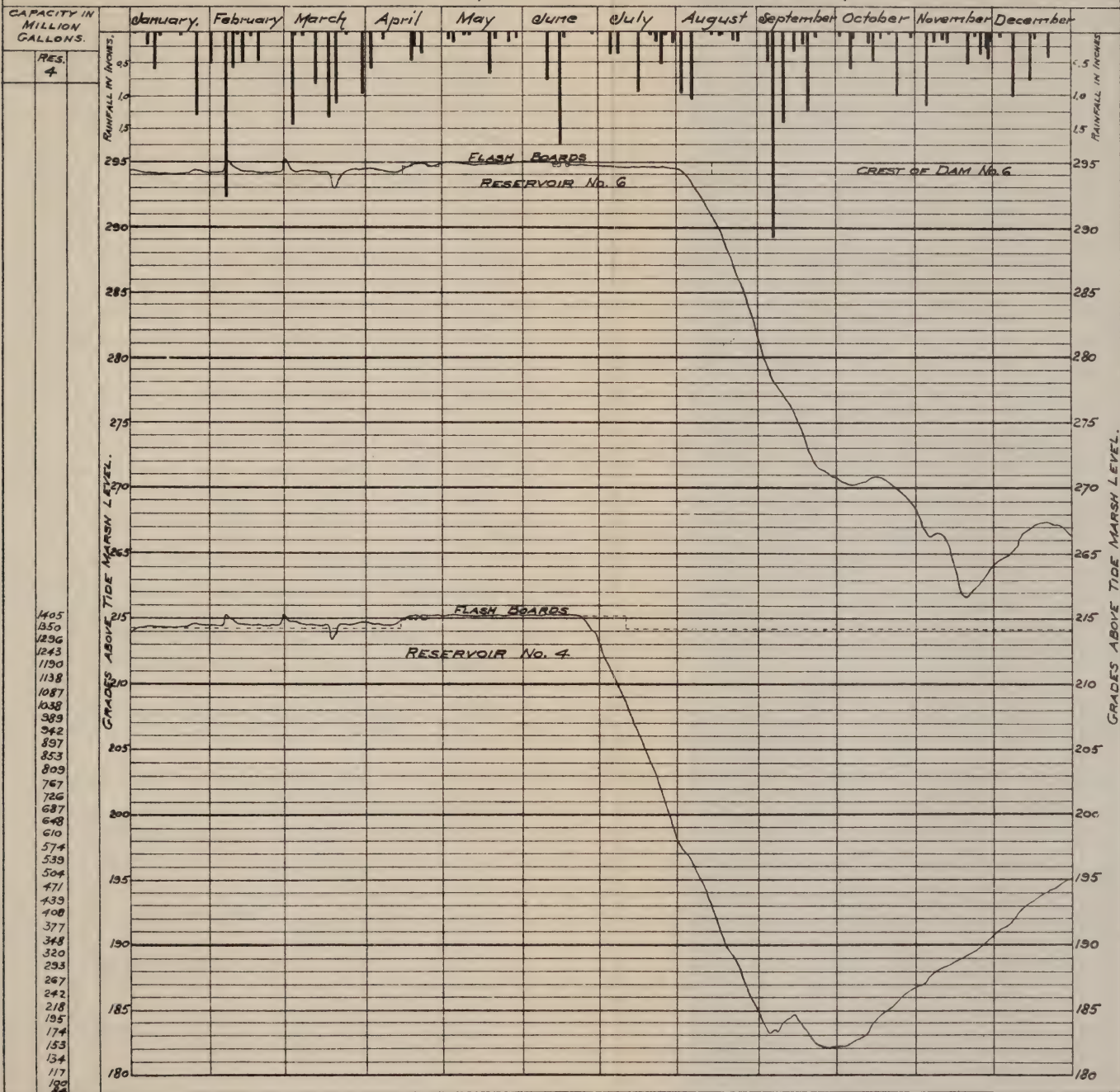
BOSTON WATER WORKS.

Diagram showing the heights of Sudbury River Reservoirs Nos. 1, 2 and 3.
Farm Pond and Cochituate and Mystic Lakes during the Year 1896.



BOSTON WATER WORKS.

Diagram showing the heights of Sudbury River Reservoirs Nos. 4 and 6, and the Rainfall on the Sudbury River Water Shed during the year 1896.



	RESERVOIRS.					FARM POND.	WHITE- HALL POND.	LAKE COCHITUATE.
	No. 1.	No. 2.	No. 3.	No. 4.	No. 6.			
	Top of Flash- boards.	Top of Flash- boards.	Crest of Dam.	Crest of Dam.	Top of Flash- boards.			
	159.29	167.12	175.24	214.23	295.00	149.25	327.91	134.36
Jan. 1, 1896..	158.11	166.17	175.75.	213.86	294.39	149.67	325.29	132.30
Feb. 1, 1896..	157.80	166.16	175.48	214.51	294.27	149.80	325.09	132.40
Mar. 1, 1896..	159.50	167.33	176.53	215.88	295.27	149.54	325.77	133.66
April 1, 1896..	158.24	166.37	175.80	214.78	294.56	149.54	325.86	133.92
May 1, 1896..	159.30	167.35	175.44	215.20	294.96	149.44	326.58	134.25
June 1, 1896..	156.91	166.65	172.58	215.24	295.13	149.18	326.59	133.27
July 1, 1896..	156.91	162.40	173.02	213.70	294.76	148.95	326.47	132.22
Aug. 1, 1896..	157.05	162.73	168.55	198.52	294.64	148.59	326.09	130.55
Sept. 1, 1896..	157.00	162.73	168.33	185.22	282.24	148.25	325.62	128.92
Oct. 1, 1896..	157.00	162.82	171.36	182.25	270.93	148.59	325.19	128.25
Nov. 1 1896..	156.90	163.54	174.75	186.79	268.45	148.72	324.69	127.90
Dec. 1, 1896..	157.71	163.70	175.50	190.78	264.18	148.83	324.36	127.80
Jan. 1, 1897..	156.37	162.63	174.82	195.11	266.41	148.78	324.77	127.43
Feb. 1, 1897..	156.13	161.37	173.31	199.80	271.59	149.00	325.45	128.75

AQUEDUCTS AND DISTRIBUTING RESERVOIRS.

The Sudbury-river aqueduct has been in use 359.6 days, and has delivered 14,857,300,000 gallons to Chestnut-hill reservoir and 35,500,000 gallons to Lake Cochituate. The Cochituate aqueduct has been used 362.4 days and delivered 5,731,790,000 gallons.

Both aqueducts have been cleaned during the year. The different distributing reservoirs are in good condition.

HIGH-SERVICE PUMPING STATIONS.

The daily average quantity pumped at the Chestnut-hill pumping station was 28 per cent. more than in 1895.

Engine No. 1 was run 804 hours 45
minutes, pumping 301,560,800 gallons.
Engine No. 2 was run 758 hours 35
minutes, pumping 286,377,150 gallons.
Engine No. 3 was run 6,395 hours 1
minute, pumping 4,594,872,800 gallons.

Total amount pumped 5,182,810,750 gallons.

Amount of coal used by Engines	
Nos. 1 and 2	715,387 lbs.
Amount of coal used by Engine	
No. 3	4,427,668 lbs.
Total amount of coal used	5,143,055 lbs.
Percentage of ashes and clinkers	10.8
Quantity pumped per lb. of coal by	
Engines Nos. 1 and 2	821.8 gallons.
Quantity pumped per lb. of coal by	
Engine No. 3	1,037.8 gallons.
Average lift in feet, Engines Nos. 1	
and 2	121.07
Average lift in feet, Engine No. 3	123.16
Daily average amount pumped	14,609,100 gallons.

Table VII., on pages 157 and 158, show in detail the work done by the engines and boilers.

COST OF PUMPING.

Salaries	\$15,915 24
Fuel	10,441 73
Repairs	1,438 51
Oil, waste and packing	1,413 06
Small supplies	542 13
Total	\$29,750 67

Cost per million gallons raised one foot high	\$0.0495
Cost per million gallons pumped to reservoir	\$5 74

At the West Roxbury pumping-station the daily average quantity pumped was 253,200 gallons, an increase of 41.3 per cent. over the amount pumped in the previous year. At the East Boston pumping-station 483,000 gallons per day have been pumped for the supply of the high-service district, and 57,600 gallons per day for the Breed's Island high-service. Owing to the non-completion of the 36-inch high-service line through Roxbury, it was necessary to maintain the pumping plant on Blue Hill avenue and Wayne street during the year, and to keep it in constant service.

MYSTIC LAKE.

On Jan. 1, 1896, the water surface was .96 feet below high water; waste was then occurring over the dam and

continued until May 2, excepting the period between January 9 and 24.

The water surface, which on May 2 was at grade 6.75, gradually fell, reaching its lowest point on September 5; the water surface being at grade — 3.26, or 10.26 feet below high water.

Filling gradually from September 5, it reached grade 6.40 on December 12. Waste occurred over stop-planks on dam from December 10 to 25; from Jan. 6 to 11, 1897, and from Jan. 22 to 24, 1897. On Feb. 1, 1897, the water surface was at grade 5.85. The fishway was opened on April 15, and was kept open until June 12, when it was closed, and remained so during the rest of the year. The dam at the outlet of the lake is in good condition.

MYSTIC CONDUIT AND RESERVOIR.

The conduit has been cleaned several times during the year.

MYSTIC PUMPING STATION.

The daily average quantity pumped at the Mystic station was 26.2 per cent more than in 1895.

Engine No. 1 was run 1,962 hours 15 minutes, pumping	421,731,900 gallons.
Engine No. 2 was run 1,030 hours 45 minutes, pumping	208,004,600 gallons.
Engine No. 3 was run 6,540 hours 45 minutes, pumping	2,222,277,100 gallons.
Engine No. 4 was run 3,430 hours 30 minutes, pumping	1,522,599,300 gallons.

Total amount pumped	4,374,612,900 gallons.
Amount of coal used by Engines Nos. 1, 2 and 3	6,907,870 lbs.
Amount of coal used by Engine No. 4	1,792,100 lbs.

Total amount of coal used	8,699,970 lbs.
---------------------------	----------------

Percentage of ashes and clinkers	11.6
Quantity pumped per lb. of coal by Engines Nos. 1, 2 and 3	412.9 gallons.
Quantity pumped per lb. of coal by Engine No. 4	849.6 gallons.

Average lift in feet, Engines Nos. 1,	
2 and 3	145.72 gallons.
Average lift in feet, Engine No. 4	152.70 gallons.
Daily average amount pumped	11,952,500 gallons.

COST OF PUMPING.

Salaries	\$13,749 51
Fuel	15,706 84
Repairs	2,914 61
Oil, waste and packing	1,725 62
Small repairs	348 79
Total	\$34,445 37

Cost per million gallons raised one foot high . .	\$0.053
Cost per million gallons pumped to reservoir . .	7.88

Table VIII, on pages 159 and 160, shows in detail the work done by the engines during the year.

CONSUMPTION.

The daily average consumption for the year was as follows:—

Sudbury and Cochituate Works	56,288,200 gallons.
Mystic works	11,951,100 “
Total for the combined supplies, ...	68,239,300 “

an increase of 3,426,000 gallons, or 13.2 per cent over that of the previous year. During the year Charlestown has been supplied from the Mystic Works, excepting the periods between January 1 to 7 and July 13 to September 28, when the supply was from the Cochituate Works. The following table shows the consumption per inhabitant for the past two years:—

MONTH.	COCHITUATE.		MYSTIC.		COMBINED SUPPLIES.	
	Consumption in Gallons per Capita.		Consumption in Gallons per Capita.		Consumption in Gallons per Capita.	
	1895.	1896.	1895.	1896.	1895.	1896.
January.....	104.9	128.1	92.0	96.2	102.7	121.0
February	128.4	134.8	94.8	102.5	120.7	127.4
March.....	107.1	134.5	83.5	96.9	102.9	125.9
April ...	94.5	118.3	77.3	87.3	91.5	111.2
May.....	97.3	106.9	77.6	85.8	93.3	102.1
June	102.0	113.2	83.2	83.4	97.6	110.1
July.....	104.2	116.0	76.8	85.9	98.7	107.2
August.....	107.0	112.9	76.5	85.4	101.6	107.9
September	107.1	107.1	93.3	83.1	104.7	102.7
October.....	98.9	106.4	81.1	78.8	95.8	100.1
November.....	96.7	107.3	78.8	76.5	93.6	100.2
December	105.9	118.6	86.1	90.6	102.4	112.1
Average.....	104.3	116.8	83.3	88.3	100.3	110.6

DISTRIBUTION.

On the Cochituate Works 33.8 miles of pipe were laid and 9.8 miles abandoned, making a net increase of 24 miles and a total of 620 miles now connected with the system. Early in the spring a 16-inch high service main was laid from Upham's Corner to Thomas Park by way of Boston, Dorchester and Telegraph streets, affording an additional supply for the South Boston high service district and making the reservoir on Thomas Park, which the city contemplated taking for a high school site, no longer necessary. The length of pipe laid was 8,491 feet, of which amount 3,667 feet was laid by contract; this line is not yet in service and will be used only in an emergency until the completion of the 36-inch, 30-inch and 20-inch mains through Roxbury and Dorchester.

The 24-inch low service main in Dorchester was extended from Dorchester avenue and East street, through Dorchester avenue and Adams street, a distance of 3,888 feet, all the work being done by contract. This extension has increased the minimum head at the Lower Mills 7 feet, as shown in Table 6. A further extension of this line to Milton Lower Mills should be made during the coming season.

In June the 42-inch high service main was completed and placed in service; as shown on Table No. 6 the minimum head in the city proper was increased nearly 20 feet. During the months of October and November it was decided to put the 48-inch high service main in Brookline out of service during the construction of a sewer by the Town of Brookline in Walnut street, in close proximity to the water pipe, the excavation for the sewer being largely in solid rock; the reduction in pressure and the consequent small consumption in gallons on the high service can be seen in Tables VI. and VII., on pages 156, 157 and 158. In September, for the better protection of East Boston, in case of fire, and also to give an adequate supply for domestic use, a 20-inch low service main was laid from the corner of Brooks and Condor streets to Central square by way of Condor and Border streets, the length laid being 3,773 feet, of which amount 2,131 feet was laid by contract. This line has increased the minimum head 12 feet. During the coming season it is intended to extend the 20-inch pipe in Border street to Maverick street and to lay a 16-inch line to Maverick square.

In May of this year an 8-inch pipe, with Ward's flexible joints, was laid across Shirley gut to replace the two lines of similar pipe laid in 1870; the latter had been broken a number of times, and were entirely exposed to a blow from passing vessels on the Deer Island shore; as a matter of fact both were broken in this way before water was turned on the new line. The work was done, under contract, by George W. Townsend; the pipe was first jointed on the Winthrop shore, upon rollers, and was then hauled across the gut, empty oil barrels being lashed to it to facilitate the work; it is laid in a trench, excavated six feet deep on each shore to low water mark, at that point the trench decreases in depth until it is one foot deep at the middle of the channel.

No trouble was experienced during the past winter with the service between the islands in the harbor; while the cold was severe at times, it was not long continued. The precaution was taken of tapping the pipes on each island at high water mark; during a cold snap the temperature of the water in the pipes was taken daily at the different points established. In this way the exact conditions are known, and danger of freezing can probably be averted.

Sectional plans of the city proper on a scale of 50 feet to the inch are being prepared; they are based entirely upon actual surveys.

The distributing mains connected with the Mystic Works have been extended 5.4 miles and 0.05 miles have been re-

laid. The total length now in service is 184 miles. There has been an increase of 253 in the number of hydrants connected with the Cochituate Works, making a total now in use of 6,711. On the Mystic Works 96 hydrants have been added, and the total now in use is 1,639; 243 petitions for main pipe have been reported upon, and 64 contracts for rock excavation have been made. Various profiles have been made, levels taken and lines and grades furnished for the main pipe laying. All pipe laid has been located and plotted on the plans.

Appended to this report will be found the usual tables of rainfall, consumption, etc., for the past year, and, in addition, tables are given of the rainfall, rainfall collected, and percentage collected on the Cochituate water-shed since 1863, on the Sudbury river water-shed since 1875, and on the Mystic water-shed since 1878. These will be found valuable for future reference.

Yours respectfully,

WILLIAM JACKSON,
City Engineer.

GENERAL STATISTICS.

SUDBURY AND COCHITUATE WORKS.	1893.	1894.	1895.	1896.
Daily average consumption in gallons,	47,453,200	46,560,000	50,801,100	56,288,200
Daily average consumption in gallons per inhabitant	107.5	99.8	104.3	116.85
Daily average amount used through meters, gallons.....	11,651,600	11,170,400	12,084,500	13,125,700
Percentage of total consumption metered	24.5	24.0	23.8	23.3
Number of services	66,586	68,556	70,879	73,230
Number of meters and motors.....	4,585	4,877	4,910	4,788
Length of supply and distributing mains, in miles	560	572.8	595.9	619.9
Number of fire-hydrants in use.....	6,042	6,217	6,458	6,711
Yearly revenue from water-rates.....	\$1,638,772 21	\$1,657,701 23	\$1,743,292 35	\$2,038,526 07
Yearly revenue from metered water ..	\$683,948 52	\$672,474 17	\$711,467 39	\$775,354 91
Percentage of total revenue from metered water.....	41.8	40.5	40.8	38.0
Cost of works on February 1.....	\$22,727,456 03	\$23,583,967 89	\$25,052,227 53	² \$24,608,500 60
Yearly expense of maintenance ³	\$433,408 18	\$440,840 63	\$420,907 09	\$617,566 53
MYSTIC WORKS.				
Daily average consumption in gallons.	10,742,500	10,282,100	9,467,000	11,951,100
Daily average consumption in gallons per inhabitant	84.4	87.6	83.3	88.26
Daily average amount used through meters, gallons.....	1,921,570	2,014,000	2,105,800	2,144,300
Percentage of total consumption metered	17.9	19.6	22.2	17.9
Number of services	22,398	23,257	24,120	24,870
Number of meters and motors.....	482	515	525	536
Length of supply and distributing mains, in miles	165	173.7	178.6	184.0
Number of fire-hydrants in use.....	1,306	1,446	1,543	1,639
Yearly revenue from water-rates.....	\$422,707 31	\$453,627 50	\$471,188 47	\$501,755 05
Yearly revenue from metered water...	\$109,367 37	\$115,811 32	\$121,436 10	\$122,050 66
Percentage of total revenue from metered water	25.9	25.6	25.8	24.3
Cost of works on February 1	\$1,721,609 33	¹ \$1,676,471 94	\$1,803,775 29	\$1,806,316 72
Yearly expense of maintenance	\$160,643 97	\$156,214 05	\$189,194 61	

¹ \$52,637.00 credited on account of sale of portion of Mystic Sewer.² \$1,118,975.74 credited by amount paid by State.³ Mystic department combined with Cochituate.

BOSTON WATER WORKS.

Diagram showing the rainfall and daily average Consumption for each month.

—Yearly Averages shown thus —

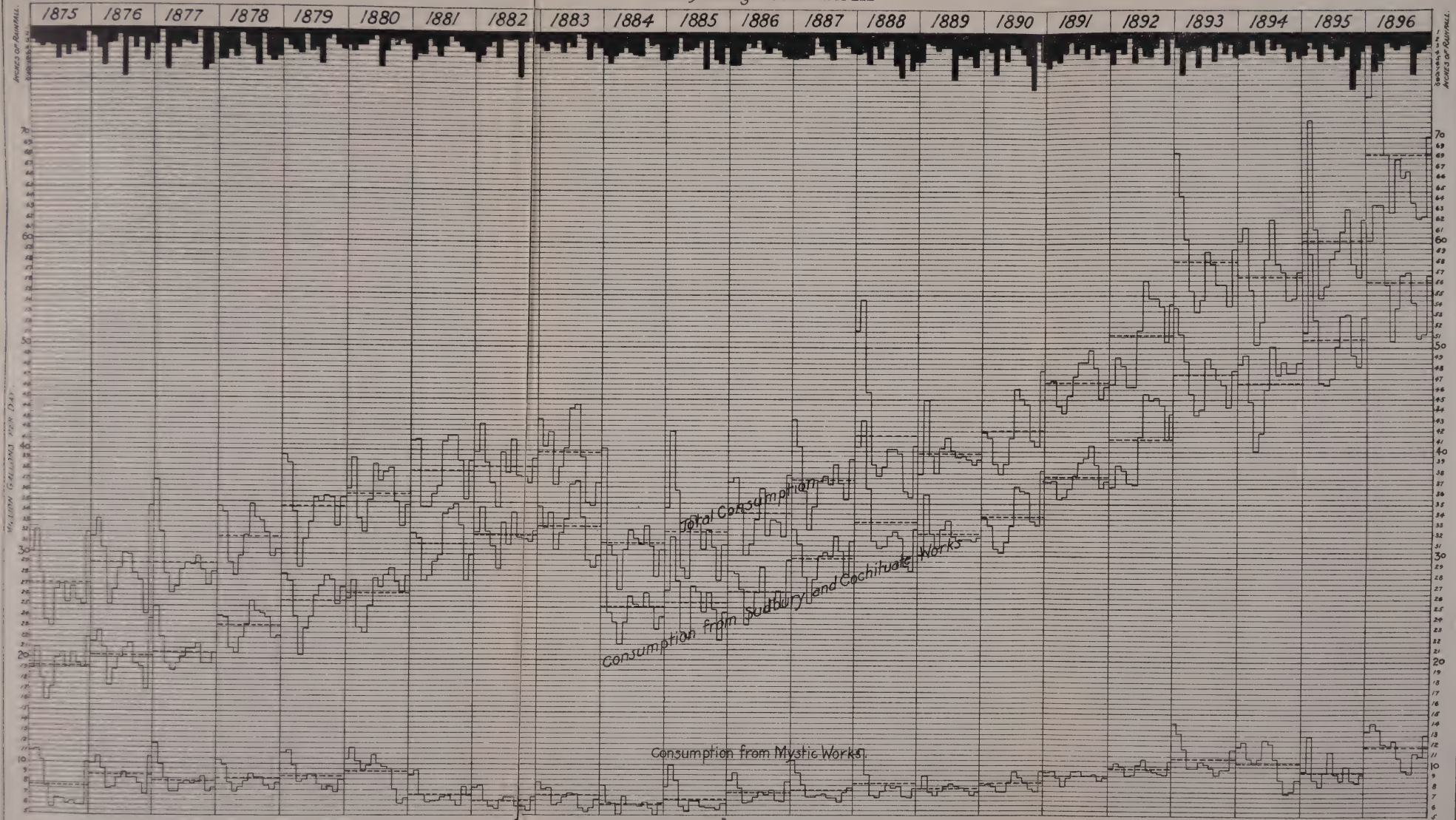


TABLE I.
Daily Average Consumption of Water, in Gallons, from the Cochituate and Mystic Works.

MYSTIC WORKS.															
	1890.	1891.	1892.	1893.	1894.	1895.	1896.		1890.	1891.	1892.	1893.	1894.	1895.	1896.
January	33,680,000	37,230,100	36,756,400	53,847,100	48,335,000	51,476,100	60,284,800		8,187,900	9,389,300	9,878,200	14,129,700	11,823,500	39,528,100	13,462,300
February	33,030,700	37,280,700	38,881,500	51,299,400	49,297,500	58,905,100	63,526,700		8,299,700	9,466,900	10,332,200	13,174,700	12,293,000	12,953,200	14,290,700
March	30,844,400	35,533,400	38,395,100	48,700,200	44,844,300	52,706,700	63,513,300		8,053,800	8,811,000	9,970,500	11,692,700	10,720,800	8,712,200	13,552,300
April	30,446,600	35,751,600	37,171,000	45,573,100	40,070,200	46,614,200	56,002,300		7,481,600	8,045,800	9,145,000	9,812,500	10,236,200	8,098,000	12,262,100
May	31,381,200	36,580,700	37,055,300	43,451,500	41,827,700	46,470,500	50,684,500		7,488,400	8,841,300	9,204,300	9,817,400	10,661,000	9,426,500	12,087,100
June	33,022,700	37,801,900	41,564,000	44,125,100	45,906,400	47,089,500	53,757,900		8,396,000	9,478,400	10,146,300	10,460,000	12,552,300	11,509,200	12,497,500
July	36,701,100	39,062,600	45,738,100	48,986,900	50,044,000	50,064,800	56,937,700		9,463,300	9,581,700	10,702,900	10,167,000	12,172,000	9,265,900	10,908,600
August	36,316,000	39,460,400	45,034,000	48,062,000	47,288,500	53,095,100	57,215,700		8,932,200	9,122,300	9,751,500	9,826,200	10,696,700	8,117,400	9,620,200
September	36,165,800	40,677,700	45,261,300	46,926,500	48,558,700	53,246,900	54,345,200		8,436,700	9,128,700	9,549,400	9,115,000	9,703,600	9,937,900	9,403,300
October	33,429,800	53,884,600	44,626,700	46,416,600	47,072,500	49,278,000	50,947,600		7,784,100	9,259,100	9,340,500	9,630,400	7,421,200	8,667,300	11,302,700
November	32,953,100	36,640,800	41,347,800	44,328,400	47,101,500	48,258,600	51,441,700		7,601,300	8,585,200	9,230,000	9,569,700	7,563,100	8,453,400	11,003,700
December	38,334,100	37,342,500	43,766,100	47,807,800	48,511,600	52,034,800	56,957,700		9,448,300	8,960,600	10,473,700	11,620,800	8,667,800	9,276,700	13,088,400
Yearly average	33,571,700	37,686,900	41,312,400	47,453,200	46,560,000	50,801,100	56,288,200		8,301,400	9,055,200	9,810,800	10,742,500	10,282,100	9,457,000	11,951,100

¹ From June 7 to July 29 about 3,000,000 gallons per day were wasted from a blow-off.

² After September 12 Charlestown was supplied with Cochituate water.

³ Charlestown was supplied with Cochituate water from January 1 to February 6, February 21 to May 18, and July 13 to Jan. 1, 1896.

⁴ Charlestown was supplied with Cochituate water from January 1 to 7, July 13 to September 28.

⁵ In October 2,542,000 gallons wasted from 48-inch line in Brookline. In November 2,064,400 gallons washed from 48-inch line in Brookline.

1897—January: Cochituate, 61,331,300; Mystic, 14,516,487.

TABLE II.
Diversion of Sudbury River Water, 1890-1896.

MONTH.	1890.	1891.	1892.		1893.	1894.		1895.		1896.	
	To Chestnut Hill Res'r.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
January	518,600,000	715,000,900	.....	630,800,000	1,325,900,000	.....	1,012,000,000	1,300,000	1,186,100,000	.....	1,367,300,000
February	475,000,000	560,800,000	.....	610,400,000	957,600,000	.....	944,000,000	.....	1,318,400,000	.....	1,346,900,000
March	498,600,000	573,200,000	45,100,000	625,200,000	1,023,900,000	529,100,000	947,100,000	680,000,000	1,115,800,000	.....	1,502,700,000
April	417,000,000	641,900,000	545,000,000	662,500,000	917,000,000	134,100,000	725,600,000	.....	982,300,000	300,000	1,252,800,000
May	536,300,000	740,300,000	114,700,000	690,490,000	858,600,000	215,800,000	826,500,000	87,700,000	931,500,000	35,200,000	1,101,300,000
June	513,100,000	629,500,000	197,500,000	779,300,000	856,700,000	80,700,000	875,500,000	114,000,000	941,100,000	.....	1,128,800,000
July	664,100,000	755,100,000	.....	948,000,000	1,040,800,000	.....	1,064,600,000	.....	1,061,900,000	.....	1,285,900,000
August	625,500,000	722,900,000	.....	897,700,000	994,100,000	.....	951,600,000	.....	1,147,600,000	.....	1,291,500,000
September	606,400,000	732,400,000	.....	876,300,000	948,300,000	.....	987,100,000	.....	1,142,800,000	.....	1,163,500,000
October	539,900,000	715,300,000	.....	908,500,000	956,600,000	1,100,000	958,500,000	6,600,000	951,700,000	.....	1,086,000,000
November	526,000,000	752,200,000	.....	788,000,000	862,700,000	400,000	1,021,000,000	5,600,000	998,600,000	.....	1,070,700,000
December	675,500,000	767,100,000	.....	1,216,100,000	995,700,000	1,000,000	1,137,100,000	1,600,000	1,130,700,000	.....	1,259,900,000
Totals	6,586,000,000	8,306,600,000	902,300,000	9,633,200,000	11,737,900,000	962,200,000	11,450,600,000	896,800,000	12,905,500,000	35,500,000	14,857,300,000
Total diver- sion from Sudbury river	6,596,000,000	8,306,600,000	10,535,500,000	.....	11,737,900,000	12,412,800,000	.....	13,805,300,000	.....	14,892,800,000	.....
Average daily diversion for whole year.	18,071,200	22,757,800	28,800,000	.....	32,158,600	34,007,700	.....	37,822,700	.....	40,690,700	.....

TABLE III.

Statement showing Amount of Water drawn from Lake Cochituate; Amount Wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1896; Water-shed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	Amount received into Lake from Sudbury River.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Percent.
1852 ¹	2,974,042,800	4,020,566,900	.....	.....	261,360,000	6,733,249,700	18,396,900	47.93	20.61	43.
1853.....	3,117,939,500	3,166,417,500	.....	239,580,000	.....	6,533,937,000	17,873,800	55.73	19.51	33.
1854.....	3,614,230,000	4,187,733,000	.....	.....	217,800,000	7,584,163,000	20,778,500	43.15	22.87	53.
1855.....	3,776,399,500	No acc't kept.	.....	.....	326,700,000	.....	.....	34.96	.....	.....
1856.....	4,409,787,600	"	.....	598,950,000	.....	.....	.....	40.80	.....	.....
1857.....	4,644,990,000	10,625,900,000	.....	32,670,000	.....	15,303,560,000	41,927,600	63.10	46.69	74.
1858.....	4,689,155,000	1,934,500,000	.....	.....	141,570,000	6,482,085,000	17,759,000	48.66	19.46	40.
1859 ²	4,808,875,000	7,569,000,000	.....	283,140,000	.....	12,661,015,000	34,687,700	49.02	38.24	78.
1860.....	6,309,108,000	None.	.....	174,240,000	.....	6,483,348,000	17,714,100	55.44	19.40	35.
1861.....	6,639,095,900	3,377,559,000	.....	.....	1,459,260,000	8,557,394,900	23,444,900	45.44	25.45	56.
1862.....	6,059,000,000	33,200,000	.....	1,306,800,000	.....	7,399,000,000	20,271,200	49.69	22.36	45.
1863.....	5,927,052,500	2,165,696,500	.....	763,300,000	.....	8,855,049,000	24,260,400	69.30	26.88	39.

¹ (Observations of rainfall at Lake Cochituate commenced 1852, and these observations are assumed as correct for the whole district.

² Lake raised two feet.

TABLE III.—*Concluded.*

Statement showing Amount of Water drawn from Lake Cochituate; Amount wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1896; Water-shed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	Amount received into Lake from Sudbury River.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1864.....	6,105,306,700	1,368,746,000	.....	.....	1,848,577,000	5,625,475,700	15,370,200	42.60	18.35	43.
1865.....	4,621,630,060	1,688,120,700	.....	743,242,500	.....	7,052,993,200	19,323,300	49.46	20.50	41.
1866.....	4,463,585,000	None.	.....	743,242,500	.....	5,206,827,500	14,255,300	62.32	16.01	26.
1867.....	4,951,225,000	2,482,041,000	.....	.....	698,811,000	6,734,455,000	18,450,600	56.25	21.80	39.
1868.....	5,405,515,000	2,507,684,000	.....	346,371,000	.....	8,259,570,000	22,567,200	49.71	24.98	50.
1869.....	5,503,751,000	1,635,570,000	.....	480,882,000	.....	7,620,203,000	20,877,300	64.34	21.99	34.
1870.....	5,477,810,000	4,818,971,000	.....	.....	1,736,085,000	8,550,496,000	23,453,900	55.89	26.08	47.
1871.....	5,223,500,000	None.	.....	.....	250,933,000	4,972,567,000	13,623,500	45.39	15.16	33.
1872.....	5,775,151,200	None.	.....	1,543,995,500	.....	5,642,480,300	15,416,600	48.47	17.22	35.
1873.....	6,511,826,900	2,917,977,000	.....	.....	515,132,000	8,914,671,900	24,423,800	45.43	27.13	60.
1874.....	6,622,972,900	1,145,851,700	.....	.....	1,367,715,000	6,402,109,600	17,540,000	35.93	19.52	54.
1875.....	7,092,955,500	None.	.....	1,222,885,000	.....	5,760,040,500	15,750,900	45.49	17.57	39.
1876.....	7,277,175,200	1,619,243,800	.....	43,438,000	.....	6,411,557,000	17,517,900	48.49	19.54	40.
1877.....	7,626,889,200	1,484,978,600	1,894,350,000	378,727,000	.....	7,596,244,800	20,811,600	43.80	23.17	53.

1873.....	437,904,700	3,341,875,000	2,668,300,000	219,789,000	.....	8,637,268,700	23,683,700	53.58	26.34	49.
1879.....	6,031,828,900	1,523,361,400	411,300,000	.....	1,322,697,300	5,841,203,000	16,003,300	38.01	17.81	47.
1880.....	4,284,147,100	65,577,700	826,700,000	.....	146,265,000	3,376,759,800	9,226,100	35.83	10.30	29.
1881.....	2,846,459,700	2,221,016,700	187,600,000	468,089,400	.....	5,357,965,800	14,679,400	41.09	16.34	40.
1882.....	3,935,490,600	1,358,543,700	.....	.....	357,334,700	4,936,699,600	13,525,200	40.29	15.05	37.
1883.....	4,731,227,700	162,361,800	1,245,100,000	.....	324,400,000	3,314,089,500	9,079,700	31.20	10.11	32.
1884.....	4,533,156,450	1,842,837,100	1,416,300,000	1,340,436,700	.....	6,300,130,250	17,213,450	45.57	19.21	42.
1885.....	4,091,674,900	1,006,622,800	.....	8,594,800	.....	5,106,892,500	13,991,500	43.66	15.57	36.
1886.....	4,432,536,100	3,116,283,200	.....	.....	360,662,000	7,188,157,300	19,693,600	46.97	21.92	47.
1887.....	4,802,120,700	3,658,652,900	.....	.....	763,205,000	7,697,568,600	21,089,200	41.58	23.47	56.
1888.....	4,968,503,100	4,229,200,000	.....	959,309,000	.....	10,157,012,100	27,751,400	56.93	30.97	54.
1889.....	5,570,423,600	3,373,929,000	223,400,000	454,766,800	.....	9,165,719,400	25,111,600	50.23	27.95	56.
1890.....	5,722,170,800	2,380,441,200	.....	.....	64,166,300	8,038,445,700	22,023,100	51.23	24.51	48.
1891.....	5,508,178,900	6,064,000,000	.....	.....	1,056,057,800	10,516,121,100	23,811,300	46.42	32.07	69.
1892.....	5,464,701,300	231,000,000	902,300,000	200,284,300	.....	5,033,775,600	13,753,500	39.04	15.35	39.
1893.....	5,623,532,500	255,300,000	.....	.....	89,200,000	5,789,632,500	15,862,000	45.28	17.65	39.
1894.....	5,520,092,100	None.	962,200,000	.....	296,900,000	4,260,992,100	11,674,000	39.08	12.99	33.
1895.....	5,654,765,700	657,600,000	896,800,000	1,200,400,000	.....	6,615,965,700	18,125,900	48.96	20.17	41.
1896.....	5,731,790,000	1,907,000,000	35,500,000	.....	998,000,000	6,605,290,000	18,047,200	42.78	20.14	47.
Averages.....	5,263,261,600	2,237,333,900	.....	.....	.....	7,099,590,300	19,438,600	47.43	21.59	45

TABLE IV.

Statement showing Amount of Water diverted from Sulbury River to Lake Cochituate and Chestnut Hill Reservoir; Amount wasted; Amount of Flow in River; Percentage of Rainfall collected, etc., 1875 to 1896.

(Water-shed from 1875 to 1878, inclusive, = 77.764 sq. miles; in 1879 and 1880 = 78.238 sq. miles; and from 1881 to 1896, inclusive, = 75.2 sq. miles.)

YEAR.	Amount of Water diverted to Lake Cochituate and Chestnut Hill Reservoir.		Amount of Water used by Framingham and Water Co.		Amount of Water wasted from River.		STORAGE.		Total Amount of Flow in River.	Daily average Amount of Flow in River.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gain.	Losa.					
1875.....	2,555,800,000	.....	.....	.....	24,971,600,000	.....	66,300,000	.....	27,593,700,000	75,599,200	43.490	20.418	44.88
1876.....	2,528,300,000	.....	.....	.....	29,942,300,000	.....	.....	160,700,000	32,309,900,000	88,278,400	49.563	23.908	48.24
1877.....	1,894,350,000	.....	.....	.....	32,438,300,000	.....	112,100,000	.....	34,444,750,000	94,369,200	44.018	25.847	57.90
1878.....	3,422,100,000	.....	.....	.....	37,125,200,000	.....	654,700,000	.....	41,202,000,000	112,882,200	57.931	30.487	52.63
1879.....	3,740,200,000	.....	.....	.....	20,817,500,000	.....	962,200,000	.....	25,528,900,000	69,942,200	41.419	18.775	45.33
1880.....	6,230,200,000	.....	.....	.....	11,290,000,000	.....	.....	958,600,000	16,561,600,000	42,250,300	38.177	12.182	31.91
1881.....	8,845,300,000	.....	.....	.....	17,279,000,000	.....	751,700,000	.....	26,876,000,000	73,633,900	44.160	20.565	46.56
1882.....	7,735,200,000	.....	.....	.....	16,273,900,000	.....	.....	352,600,000	23,656,600,000	64,812,300	39.394	18.102	45.95
1883.....	8,455,000,000	.....	.....	.....	7,251,900,000	.....	.....	1,086,400,000	14,620,500,000	40,056,200	32.780	11.188	34.13
1884.....	6,110,600,000	.....	.....	.....	23,228,900,000	.....	1,744,600,000	.....	31,084,100,000	84,920,200	47.135	23.784	50.46
1885.....	5,224,700,000	.....	61,800,000	.....	19,878,800,000	.....	.....	446,900,000	24,718,400,000	67,721,600	43.545	18.916	43.44
1886.....	5,266,600,000	.....	76,600,000	.....	23,023,000,000	.....	1,464,500,000	.....	29,831,700,000	81,730,700	46.065	22.825	49.55
1887.....	6,124,100,000	.....	87,500,000	.....	25,334,500,000	.....	117,400,000	.....	31,663,500,000	86,749,300	42.705	24.227	56.73

1888.....	7,224,700,000	61,500,000	39,040,500,000	390,600,000	.....	46,717,300,000	127,642,900	57,465	35,749	62.21
1889.....	6,363,900,000	59,500,000	31,550,400,000	.....	2,800,000	37,971,000,000	104,030,100	49.95	29,056	58.17
1890.....	6,596,000,000	74,500,000	28,667,100,000	.....	57,400,000	35,280,200,000	96,658,100	53.00	26,998	50.94
1891.....	8,306,600,000	80,500,000	28,799,600,000	.....	1,100,800,000	36,085,900,000	98,865,500	49.52	27,612	55.76
1892.....	10,535,500,000	82,800,000	11,143,000,000	.....	257,700,000	21,503,600,000	58,753,000	41.83	16,456	39.34
1893.....	11,737,900,000	103,000,000	17,405,500,000	.....	789,800,000	28,456,600,000	77,963,300	48.225	21,774	45.15
1894.....	12,412,800,000	117,000,000	6,715,900,000	1,901,600,000	.....	21,147,300,000	57,937,800	39.740	16,182	40.72
1895.....	13,805,300,000	132,200,000	15,545,600,000	1,137,920,000	.....	31,621,000,000	86,632,900	50.62	24,196	47.80
1896.....	14,892,800,000	139,300,000	15,528,600,000	.....	2,522,500,000	28,038,200,000	76,607,100	43.70	21,453	49.09
Averages	7,273,543,200	89,683,300	21,965,831,800	.....	.....	29,404,933,200	80,365,400	45.75	22,288	48.04

TABLE V.

Statement showing Amount of Water drawn from Mystic Lake; Amount wasted; Amount of Rainfall collected in Lake; Percentage of Rainfall collected, etc., 1876 to 1896; Water-shed of Lake, 17,200 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall col- lected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
			Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1876.....	3,230,101,300	6,369,774,700	.....	32,583,000	9,567,293,000	26,140,100	47.00	20.49	43.6
1877.....	3,069,554,800	7,250,223,500	.....	16,291,400	10,303,486,900	28,228,700	43.045	22.06	51.2
1878.....	3,367,490,400	8,718,547,600	.....	26,000,000	12,060,038,000	33,041,200	64.065	25.82	47.8
1879.....	3,490,848,200	4,625,691,800	.....	203,000,000	7,913,540,000	21,680,900	35.30	16.94	48.0
1880.....	3,692,195,700	2,158,761,200	.....	113,500,000	5,703,756,900	15,584,000	34.42	12.21	35.5
1881.....	2,815,579,900	5,534,300,000	371,200,000	.....	8,721,079,900	23,893,400	41.91	18.67	44.5
1882.....	2,570,896,700	4,444,668,000	15,000,000	.....	7,030,564,700	19,261,800	39.165	15.05	38.4
1883.....	2,664,514,200	2,034,702,600	.....	347,579,000	4,351,637,800	11,922,300	31.22	9.32	29.84
1884.....	2,469,761,000	6,574,003,800	380,600,000	.....	9,424,364,800	25,749,600	44.39	20.18	45.46
1885.....	2,639,278,800	5,558,860,500	.....	33,200,000	8,194,933,300	22,451,900	44.50	17.55	39.43
1886.....	2,862,947,500	7,743,258,900	.....	28,400,000	10,577,806,400	28,980,300	45.56	22.65	49.71
1887.....	2,954,257,500	7,414,213,000	.....	11,000,000	10,357,470,500	28,376,600	46.42	22.17	47.77
1888.....	3,205,121,100	11,354,593,100	.....	6,000,000	14,533,714,200	39,709,600	56.745	31.12	54.84
1889.....	3,007,539,800	8,879,787,500	12,000,000	.....	11,899,327,300	32,600,900	50.395	25.48	50.56

1890.....	3,212,284,500	8,953,727,900	.....	3,000,000	12,163,012,400	33,323,300	49.37	26.04	52.75
1891.....	3,500,817,500	10,027,714,400	.....	171,000,000	13,357,531,900	36,600,000	47.40	28.60	60.34
1892.....	3,811,766,200	3,474,213,200	177,000,000	.....	7,462,979,400	20,390,700	39,115	15.98	40.85
1893.....	4,331,743,200	4,958,528,500	.....	95,000,000	9,195,271,700	25,192,500	44.20	19.69	44.54
1894.....	3,996,805,100	2,752,364,200	.....	23,000,000	6,726,769,300	18,429,500	39.24	14.40	36.70
1895.....	3,082,848,300	4,528,156,200	156,000,000	.....	8,367,004,500	22,923,300	48.73	17.91	36.8
1896.....	4,617,704,000	4,559,437,400	.....	45,000,000	9,132,142,000	24,351,200	39.90	19.55	49.0
Averages.....	3,294,935,100	6,091,750,400	.....	.....	9,383,034,800	25,987,000	43.91	20.09	45.1

TABLE VI.

Average Maximum and Minimum Monthly and Yearly Heights, in Feet, above Tide Marsh Level, to which Water would rise at different Stations on the Boston Water Works.

1896.	Boston Common.		Engine-house No. 8.		Engine-house No. 7.		Engine-house (Congress street, So. Boston.		Engine-house No. 2.		Pumping station, East Boston.		Engine-house No. 9.		Engine-house No. 16.		Engine-house No. 32.		Albany street.		City Hall High service.		Engine-house No. 18.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
Jan.	110.8	94.2	107.1	87.8	108.0	90.4	108.6	90.7	106.1	86.8	104.8	83.8	98.2	70.3	108.8	88.1	101.9 132.0	79.2 117.7	114.3	95.1	232.5	208.8	228.4	200.3
Feb.	111.0	94.7	106.9	88.6	107.3	91.5	109.7	90.0	105.6	86.6	104.2	84.8	97.7	71.0	109.2	89.0	131.9	117.1	111.1	95.2	233.0	206.5	229.6	203.2
March ..	112.7	96.0	113.3	94.9	107.5	91.9	111.0	92.7	108.5	89.2	107.4	85.9	102.4	73.1	110.0	90.1	135.1	119.6	113.9	96.7	232.8	207.2	230.3	201.1
April ...	116.7	98.1	117.6	96.6	113.9	93.7	115.6	95.0	113.9	92.3	112.0	88.1	111.0	78.1	114.6	91.4	140.1	120.3	116.9	98.9	235.4	210.1	230.2	197.1
May	117.8	96.9	118.4	95.3	114.2	93.7	116.7	95.1	114.9	91.2	114.6	88.8	110.6	74.8	116.6	91.1	141.1	121.0	117.8	98.9	234.7	211.8	229.1	181.5
June ...	117.8	97.4	118.4	96.4	113.1	93.6	116.1	94.0	114.9	90.6	114.2	87.2	110.6	76.1	116.4	91.5	141.5 112.5	121.2 82.6	117.6	98.9	4237.3	225.7	226.7	190.5
July	116.7	94.7	116.5	92.4	112.0	91.5	115.4	93.1	114.5	91.4	110.9	85.6	109.7	73.0	114.7	86.7	141.2	119.5	117.3	98.1	237.8	226.6	228.4	181.6
August ..	116.1	93.2	116.3	91.7	112.9	91.3	115.5	92.0	114.0	90.0	110.3	84.1	108.7	70.7	114.8	86.6	112.4	81.7	116.8	97.3	237.5	228.2	230.3	194.4
Sept	116.8	96.1	116.9	96.0	.....	.....	115.9	95.3	114.8	92.5	110.0	86.8	110.5	76.4	116.0	95.7	112.9	85.4	117.1	99.2	238.1	230.0	231.7	201.7
Oct.	118.0	98.9	118.7	99.1	114.6	96.6	116.9	97.6	115.6	95.5	113.4	91.1	113.8	84.5	116.9	97.9	141.3	123.1	118.4	101.7	213.0 211.7	204.0 203.5	211.9 210.7	189.4
Nov.	117.8	99.5	118.3	98.2	114.4	96.3	116.6	96.8	115.4	95.8	113.5	90.2	114.4	88.3	116.4	98.5	141.8	124.1	118.0	101.5	239.5	228.2	231.4	197.0
Dec.	115.3	96.2	114.5	94.6	112.8	93.1	112.9	94.9	111.0	90.3	108.6	85.9	108.6	82.9	112.6	94.1	136.8	119.0	115.5	98.1	238.9	231.8	231.2	202.1
Avrag's.	115.6	96.3	115.2	94.3	111.8	93.0	114.2	93.9	112.4	91.0	110.3	86.9	.....	.....	.....	.....	.....	.....	116.2	98.3	.....	.....	.....	.....

¹ 20-in. L. S. main laid from Condor st., through Border st., to Central sq. ² 24-in. pipe, extended to Adams and Parkman sts.

³ Charlestown, supplied from Cochituate. ⁴ 48-in. H. S. main, completed to Common. ⁵ 48-in. H. S. main, out of service.

TABLE VII.

Statement of Operations at Chestnut Hill Pumping Station for the Year 1896.

1896.	ENGINE NO. 1.			ENGINE NO. 2.			Total amount pumped, 2 per cent. being allowed for slip.	Daily average amount pumped.	Gallons.	Lbs.	Total amount of coal consumed.	Lbs.	Daily average amount of coal consumed.	Lbs.	Total amount of ashes and clinkers.	Per cent. of ashes and clinkers.	Quantity pumped per lb. of coal. No correction for lighting or heating.	Average lift.	Ft.-Lbs.	Duty in ft.-lbs. per 100 lbs. of coal.	
	Total pumping time.		Gallons.	Total pumping time.	Amount pumped.	Hrs.															Mins.
	Hrs.	Mins.																			
Month.	Hrs.	Mins.	Gallons.	Hrs.	Mins.	Gallons.	Gallons.	Gallons.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Per cent.	Galls.	Feet.	Ft.-Lbs.		
January.....	114	50	40,481,375	104	25	37,903,075	78,384,450	13,064,100	107,733	17,955	9,220	8.6	727.6	123.18		8.6	727.6	123.18	74,745,900		
February.....	5	00	1,733,125	.....	.....	.....	1,733,125	1,733,125	2,900	2,900	400	13.9	598.0	120.0		13.9	598.0	120.0	59,810,700		
March.....	82	45	31,370,300	60	30	23,031,125	54,461,425	13,615,400	72,618	18,155	6,105	8.4	750.0	120.40		8.4	750.0	120.40	75,307,500		
April.....	257	20	97,150,875	191	20	71,069,925	168,220,800	12,940,100	210,159	16,166	19,165	9.1	800.4	120.89		9.1	800.4	120.89	80,702,700		
May.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
June.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
July.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
August.....	21	15	7,866,175	14	40	5,326,225	13,192,400	13,192,400	15,095	15,095	1,455	9.6	873.9	123.23		9.6	873.9	123.23	87,412,200		
September.....	310	20	118,109,150	344	15	132,146,725	250,255,875	13,903,100	276,817	15,380	29,810	10.8	904.5	120.62		10.8	904.5	120.62	65,288,900		
October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
November.....	13	15	4,849,800	43	25	16,840,075	21,689,875	7,230,000	30,065	10,022	3,375	11.2	721.4	119.15		11.2	721.4	119.15	71,688,000		
December.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Totals and averages.	804	45	301,560,800	758	35	286,377,150	587,937,950	12,781,260	715,387	15,552	69,630	9.7	821.8	121.07		9.7	821.8	121.07	82,983,700		

TABLE VIII.
Statement of Operations at Mystic Pumping Station for the Year 1896.

1896.	ENGINE NO. 1.			ENGINE NO. 2.			ENGINE NO. 3.			Total amount pumped.	Daily average amount pumped.	Total amount consumed.	Daily average amount of coal consumed.	Total amount of ashes and clinkers.	Per cent. of ashes and clinkers.	Quantity pumped per lb. of coal. No correction for lighting or heating.	Gallons.	Feet.	Duty in ft.-lbs. per 100 lbs. of coal. No correction for lighting or heating.
	Total pumping time.		Amount pumped.	Total pumping time.		Amount pumped.	Total pumping time.		Amount pumped.										
	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.										
Month.																			
January.....	354	45	77,622,700	.....	.....	.....	668	30	226,225,700	303,848,400	9,801,600	737,500	23,790	83,435	11.3	412.0	146.82	50,448,100	
February....	225	30	50,337,100	.....	.....	.....	683	30	231,707,100	282,044,200	9,725,700	685,500	23,638	74,471	10.9	411.4	148.44	50,936,200	
March.....	232	00	49,483,600	.....	.....	.....	715	15	241,006,100	290,489,700	9,370,600	711,000	22,936	78,907	11.1	408.6	146.79	50,017,700	
April.....	90	15	17,602,700	.....	.....	.....	568	45	187,281,900	204,884,600	6,823,500	498,000	16,600	60,538	12.2	411.4	146.13	50,140,200	
May.....	121	30	28,257,900	.....	.....	.....	290	45	93,556,200	121,814,100	4,872,600	317,500	11,760	36,045	11.4	383.7	145.31	46,496,000	
June.....	426	30	91,783,300	.....	.....	.....	682	00	235,150,900	326,934,700	11,273,600	761,000	23,367	85,106	11.2	429.6	145.27	52,049,700	
July.....	173	45	37,864,200	198	30	42,196,000	720	00	247,438,000	327,698,200	10,570,900	750,500	25,017	90,838	12.1	436.6	144.25	52,529,800	
August.....	15	15	2,335,700	190	45	39,550,500	739	00	252,445,200	294,331,400	9,494,600	686,000	22,129	84,763	12.4	429.1	144.97	51,874,800	
September..	.....	.....	.....	184	15	38,396,300	673	00	235,273,700	273,670,000	9,122,300	644,000	21,467	78,355	12.2	424.9	144.79	51,315,200	
October.....	119	15	24,166,000	188	30	37,492,400	299	45	104,580,600	166,239,000	5,937,100	437,500	15,625	51,394	12.0	380.0	145.06	45,969,400	
November...	58	30	13,100,800	43	00	8,575,600	110	45	40,162,300	61,838,700	3,435,500	184,870	7,110	22,020	11.9	334.5	144.77	40,293,900	
December...	145	00	29,177,400	220	45	41,733,800	339	30	127,249,400	198,220,600	6,835,200	494,500	16,483	59,518	12.0	400.5	145.99	48,805,800	
Totals and averages }	1,962	15	421,731,900	1,030	45	208,004,600	6,540	45	2,222,277,100	2,852,013,600	7,792,400	6,907,870	18,874	805,390	11.7	412.9	145.72	50,175,600	

TABLE VIII.

Statement of Operations at Mystic Pumping Station for the year 1896. — (Concluded.)

ENGINE NO. 4.															SUMMARY OF ENGINES 1, 2, 3 and 4.		
1896.	Total pumping time.		Amount pumped.	Daily average amount pumped.	Amount of coal consumed.	Daily average amount consumed.	Amount of ashes and clinkers.	Per cent of ashes and clinkers.	Quantity pumped per lb. of coal.*	Average lift.	Duty in ft. lbs. per 100 lbs. of coal.*	Total amount pumped.	Daily average amount pumped.	Remarks.			
	Hrs.	Min.													Gallons.	Gallons.	Gallons.
January	263	30	114,542,200	4,090,800	149,500	5,339	17,173	11.5	766.2	151.94	97,087,300	418,300,600	13,496,500				
February....	301	00	131,647,200	5,063,400	153,500	5,903	18,804	12.2	857.6	153.10	109,507,700	413,691,400	14,265,200				
March.....	292	45	129,866,500	5,198,700	152,900	6,116	15,189	9.9	850.0	154.30	109,382,400	420,456,200	13,563,100				
April.....	365	45	162,846,600	6,031,400	189,500	7,018	15,662	8.3	859.3	150.50	105,407,600	367,731,200	12,257,700				
May.....	562	15	252,942,400	9,033,700	298,500	10,661	31,248	10.5	847.4	152.18	107,547,700	374,756,500	12,088,900				
June.....	109	00	47,911,700	5,323,500	59,100	6,567	7,089	12.0	810.7	154.64	104,554,300	374,846,400	12,404,900				
July.....	25	00	10,714,600	5,357,300	12,500	6,250	1,212	9.7	857.2	154.91	110,741,800	338,412,800	10,916,500	{ Engine 4 did not run.			
August.....												294,331,400	9,494,600				
September..	28	15	12,192,800	3,048,200	13,000	3,250	1,300	10.0	938.0	154.85	121,126,000	285,862,800	9,528,800				
October.....	413	00	183,708,600	6,561,000	216,000	7,714	27,961	12.8	850.5	153.39	108,802,500	349,947,600	11,288,600				
November...	603	45	268,665,400	9,595,200	313,000	11,179	40,815	13.0	858.4	150.18	105,062,000	330,504,100	11,016,800				
December....	466	15	207,461,300	7,409,300	234,600	8,379	28,411	12.1	884.3	149.71	110,414,600	405,681,900	13,086,500				
Totals and averages. }	3,430	30	1,522,539,300	6,534,800	1,792,100	7,691	204,864	11.4	849.6	152.70	108,200,300	4,374,612,900	11,952,500				

* No correction for lighting or heating.

TABLE IX.

Statement of Operations at the East Boston Pumping-Station for the Year 1896.

1896.	Engines Nos. 1 and 2.				Engine No. 3.				Total amount of coal consumed.	Per cent of ashes and clinkers.
	Total pumping time.		Total amount pumped to reservoir.	Daily average.	Total pumping time.		Total amount pumped to tank.	Daily average.		
	Hrs.	M.	Gallons.	Gallons.	Hrs.	M.	Gallons.	Gallons.			Lbs.	Per cent.
Jan....	426	15	18,390,820	593,200	131	30	2,049,360 1578,620	66,100	52,340	18.1
Feb ...	401	25	16,446,920	567,100	135	05	2,099,940 1781,480	92,400	51,120	17.9
March.	418	40	16,034,620	517,200	113	50	1,713,300	80,500	47,910	17.9
April..	337	25	14,037,100	467,900	108	30	1,664,520	55,500	39,490	17.9
May ..	353	35	15,305,080	493,700	104	30	1,659,780	53,500	40,032	17.6
June ..	336	25	14,409,920	480,300	106	00	1,686,420	56,200	38,500	17.5
July...	339	55	14,347,060	462,800	118	05	1,851,480	59,700	40,980	17.8
Aug ...	338	25	14,503,160	467,800	113	45	1,766,240	57,300	40,730	17.8
Sept...	304	45	12,820,080	427,300	97	30	1,404,990	46,800	35,885	17.9
Oct ...	315	00	12,842,760	414,300	90	30	1,261,470	40,700	36,150	18.1
Nov ...	312	15	12,915,700	430,500	83	30	1,121,640	37,400	37,880	18.9
Dec ...	355	00	14,731,220	475,200	96	30	1,404,540	45,300	47,000	20.0
Tot'ls & Avg's,	4,239	05	176,784,440	483,000	1,799	15	21,053,780	57,600	508,017	18.1

¹ This amount was pumped to the tank by Engine 2.
Engines Nos. 1 and 2 pump to the reservoir.
Engine No. 3 pumps to the tank on Breed's Island.

TABLE X.

Statement of Operations at the West Roxbury Pumping-Station for the Year 1896.

1896.	Total pumping time.		Total amount pumped.	Daily average amount pumped.	Quantity pumped per lb. of coal.	Total amount of coal consumed.	Per cent of ashes and clinkers.	Average lift.
Month.	Hrs.	M.	Gallons.	Gallons.	Gallons.	Lbs.	Per cent.	Feet.
January	526	30	6,963,675	224,600	149.3	46,625	18.9	139.96
February.....	492	00	6,644,925	229,100	152.8	43,500	18.7	139.46
March.....	491	00	6,828,750	220,300	162.7	41,975	17.1	140.65
April	498	30	6,912,525	230,400	168.8	40,950	16.4	139.47
May.....	644	30	8,045,842	259,500	159.9	50,300	18.4	143.57
June.....	664	30	8,238,950	274,600	156.5	52,650	18.3	157.08
July	709	00	9,050,992	292,000	158.7	57,000	19.5	131.08
August.....	793	00	9,788,475	315,800	177.9	55,000	21.1	141.08
September...	725	00	7,137,030	237,900	151.6	47,075	20.9	139.02
October	680	00	7,255,785	234,100	153.4	47,285	19.8	145.36
November....	651	00	7,078,695	236,000	152.9	46,300	21.0	144.62
December ...	676	00	7,740,750	249,700	156.1	49,575	21.5	138.85
Totals and averages, }	7,551	00	92,684,694	253,200	158.4	578,235	19.3	141.68

TABLE XI.

Rainfall in Inches and Hundredths on Sudbury River Water-shed for the Year 1896.

1896.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....		0.50										
2.....				0.540				0.940		0.060		
3.....	0.015		1.420		0.035							
4.....			0.165						0.460			0.040
5.....					0.130		0.315				1.110	
6.....		2.515						1.030	3.145	0.565		
7.....	0.185		0.315	0.095						0.095		
8.....							0.305				0.135	
9.....		0.570			0.020	0.655	0.010					0.980
10.....	0.570					0.690			1.390			
11.....		0.025			0.045						0.100	
12.....	0.040		0.775									
13.....		0.480					0.010			1.445	0.155	
14.....								0.030	0.295			
15.....						1.735				0.470		
16.....		0.055					0.915					0.700
17.....			1.295			0.060		0.030	0.180			
18.....				0.430				0.025		0.085		0.070
19.....		0.425		0.200	0.625			0.010	1.175			
20.....	0.035		1.085									
21.....					0.090	0.060	0.150			0.030	0.445	
22.....				0.305				0.115	0.080			
23.....							0.115					0.335
24.....			0.025					0.130		0.990	0.025	
25.....							0.495					
26.....	1.520				0.135						0.325	
27.....							0.050					
28.....						0.020	0.010				0.225	
29.....		1.865			0.830						0.390	
30.....			0.925				0.135		0.995	0.025	0.110	
31.....					0.665			0.085				
Totals ...	2.365	6.435	6.005	1.570	2.575	3.220	2.510	2.395	7.720	3.765	3.020	2.125

Total rainfall during the year, 43.705 inches, being an average of two gauges located at Framingham and Ashland.

TABLE XII.

Rainfall in Inches and Hundredths at Lake Cochituate for the Year 1896.

1896.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....		0.500	0.660									
2.....				0.580				1 050		0.060		
3.....	0.010	0.030	0.640		0.030							
4.....			0.290						0.430			0.030
5.....					0.070		0.210	0.550			1.000	
6.....		2.290						0.060	3.600	0.400		
7.....	0.180		0.310	0.040			0.220			0.100		
8.....											0.190	
9.....		0.510			0.020	0.710						0.920
10.....	0.730					0.580		0.130	1.480			
11.....		0.020			0.060						0.080	
12.....	0.050		0.780								0.010	
13.....		0.560									0.230	
14.....									0.460			
15.....						1.600	0.450			1.790		
16.....		0.070	1.250				0.200	0.060				0.860
17.....				0.220		0.050			0.160			
18.....		0.200						0.050		0.120		0.150
19.....		0.180	1.030	0.370	0.470			0.200	0.790			
20.....	0.010								0.370			
21.....					0.070	0.070	0.220	0.120		0.030	0.440	
22.....							0.130	0.020	0.100			
23.....			0.020	0.380								0.290
24.....								0.110		0.980	0.040	
25.....							0.550				0.260	
26.....	1.450		0.010		0.160							
27.....							0.120					
28.....						0.030					0.530	
29.....		1.680			0.800					0.020		
30.....			0.870				0.120		0.820	0.030	0.220	
31.....					0.590			0.080				
Totals...	2.430	6.040	5.860	1.600	2.270	3.040	2.220	2.430	8.210	3.530	3.000	2.150

Total rainfall during the year, 42.780 inches.

TABLE XIII.

Rainfall in Inches and Hundredths on Mystic Lake Water-shed for the year 1896.

1896.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....		0.625										
2.....								1.070		0.040		0.110
3.....	0.010		1.430	0.675	0.010							
4.....									0.555			
5.....					0.030		0.215			0.155		0.150
6.....		2.260						0.670	3.595		1.010	
7.....	0.165		0.290	0.025			0.265		0.140	0.350		
8.....					0.025		0.095	0.170			0.380	
9.....		0.400				0.650						1.195
10.....	0.535					0.455			1.550			
11.....					0.080						0.065	
12.....	0.035		0.500									
13.....		0.520										
14.....									0.115	0.930	0.375	
15.....						1.070				0.395		
16.....							0.330	0.035				0.590
17.....			1.100			0.025						
18.....				0.245				0.080		0.145		0.085
19.....	0.005			0.250	0.400			0.160				
20.....		0.430	0.630						1.155			
21.....					0.035	0.120	0.305			0.025		
22.....								0.110			0.390	
23.....			0.010	0.580			0.075		0.110			0.250
24.....								0.285		1.095	0.060	
25.....							0.750					
26.....	1.125										0.315	
27.....					0.200		0.120					
28.....						0.025						
29.....		0.610			0.700					0.050	0.555	
30.....			0.830				0.285		0.665	0.035	0.170	
31.....					0.530			0.030				
Totals...	2.355	4.845	4.790	1.775	2.010	2.345	2.420	2.610	7.885	3.220	3.320	2.33

Total rainfall during the year, 39.905 inches, being an average of two gauges, located at Mystic Lake and Mystic Reservoir.

TABLE XIV.

Monthly Rainfall in Inches, during 1896, at Various Places in Eastern Massachusetts.

PLACE.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Framingham.....	2.43	5.85	5.91	1.85	2.83	3.14	2.14	2.74	7.39	3.84	2.92	2.17	43.21
Dan 4, Ashland	2.30	7.02	6.10	1.29	2.32	3.30	2.88	2.05	8.05	3.69	3.12	2.03	44.20
Cordaville.....	2.47	6.12	5.07	1.42	2.67	3.45	2.39	2.39	6.71	3.88	3.29	1.94	41.80
Lake Cochituate.....	2.43	6.04	5.86	1.60	2.27	3.04	2.22	2.43	8.21	3.53	3.00	2.15	42.78
Chestnut Hill.....	2.80	5.45	5.53	1.72	1.85	2.98	3.00	2.74	7.16	3.49	3.61	1.89	42.22
Mystic Lake.....	2.77	5.09	5.19	1.99	2.13	2.51	2.45	2.90	7.78	3.37	3.56	2.39	42.13
Winchester.....	1.94	4.60	4.39	1.56	1.89	2.18	2.39	2.32	7.99	3.07	3.08	2.27	37.68
Mystic Pumping Station.....	2.72	5.08	5.12	2.00	1.85	2.32	2.53	2.81	7.07	3.11	3.62	2.36	40.59
Cambridge Observatory.....	3.06	4.35	6.27	1.66	2.04	2.15	2.87	2.13	6.18	3.11	3.34	1.57	38.73
Waltham, Boston Manufacturing Company.....	2.77	4.56	6.29	2.15	2.01	2.65	2.54	2.35	7.22	3.23	3.41	1.24	40.42
Lowell, Locks and Canals Company.....	2.24	4.95	6.53	1.34	2.32	2.68	3.79	2.76	9.69	2.99	3.02	2.13	44.44
Average of above eleven places.....	2.54	5.37	5.66	1.69	2.20	2.76	2.65	2.51	7.59	3.40	3.27	2.02	41.65

TABLE XV.

Table showing the Temperature of Air and Water of Various Stations on the Water-Works.

	TEMPERATURE OF AIR.						TEMPERATURE OF WATER.	
	Chestnut-Hill Reservoir.			Framingham.			Brookline Reservoir.	Mystic Engine-House.
	Maximum.	Minimum.	Mean.	Maximum.	Minimum.	Mean.	Mean.	Mean.
January.....	45.5°	-11.5°	23.2°	42.0°	-11.0°	22.7°	35.2°	26.3°
February.....	55.5	-13.0	28.8	54.0	-12.0	27.5	35.7	31.2
March.....	66.0	7.0	32.1	63.0	7.0	31.8	35.9	31.9
April.....	87.0	23.0	48.4	86.0	22.0	48.5	46.6	48.4
May.....	92.0	31.0	61.3	94.0	32.0	62.1	61.8	62.1
June.....	92.5	43.5	64.1	92.0	44.0	65.9	67.0	67.2
July.....	94.5	49.5	72.6	93.0	50.0	72.7	73.3	74.2
August.....	97.0	45.5	70.8	97.0	45.0	71.1	73.9	73.2
September.....	92.0	35.0	62.1	89.0	32.0	61.5	63.7	63.3
October.....	75.0	25.5	48.5	74.0	25.0	48.6	54.2	60.2
November.....	71.0	20.0	45.2	70.0	18.0	44.2	47.5	48.5
December.....	57.5	-3.0	28.0	55.0	-7.0	27.3	38.3	29.9

Note.— The maximum and minimum air temperatures in above table are the highest and lowest temperatures in any one day of the month. The mean air temperature is the average of the maximum and minimum temperatures of the whole month. The water temperatures are the mean temperatures for the whole month.

TABLE XVI.
Rainfall in Inches on Cochituate Water-shed, 1863 to 1896.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1863.....	4.10	4.38	3.57	11.34	2.66	1.98	14.12	5.61	3.39	4.56	8.54	5.05	69.30	27.68
1864.....	3.37	0.98	8.44	4.02	2.84	0.58	1.06	3.56	1.52	6.50	5.45	4.28	42.60	12.64
1865.....	4.99	4.45	5.48	2.18	8.25	0.91	3.10	3.36	1.66	6.99	4.78	3.31	49.46	15.11
1866.....	1.44	5.80	3.92	1.94	6.46	4.80	13.35	3.98	8.36	3.43	4.52	4.32	62.32	29.12
1867.....	2.76	5.40	5.65	2.43	6.46	2.95	5.36	12.36	1.08	7.27	2.63	1.90	56.25	26.07
1868.....	3.70	1.18	2.51	5.61	8.12	2.95	2.16	7.38	7.69	1.19	6.77	0.45	49.71	18.42
1869.....	3.71	7.07	7.52	2.57	7.59	3.68	2.63	2.34	8.49	9.50	3.26	5.98	64.34	22.96
1870.....	7.85	4.68	6.04	8.81	3.14	4.05	3.10	2.03	0.64	7.96	4.40	3.19	55.89	13.73
1871.....	1.31	2.30	5.02	2.29	5.66	5.96	2.20	3.56	1.46	5.38	7.01	3.24	45.39	12.60
1872.....	1.86	1.37	3.06	1.74	3.24	4.27	5.55	9.76	6.29	3.69	4.22	3.42	48.47	25.29
1873.....	4.24	2.43	3.98	2.69	3.24	0.38	4.08	7.17	2.62	6.11	4.54	3.95	45.43	19.98
1874.....	2.96	2.90	1.19	6.36	3.40	4.79	3.16	4.83	1.55	1.04	2.05	1.70	35.93	10.58
1875.....	2.42	3.15	3.74	3.23	3.56	6.24	3.57	5.53	3.43	4.85	4.83	0.94	45.49	17.38
1876.....	1.83	4.21	7.43	3.24	2.80	1.60	9.49	2.19	3.98	2.00	6.59	3.13	48.49	17.66
1877.....	3.19	0.53	7.79	3.24	3.73	2.64	2.77	3.35	0.46	8.14	6.94	1.02	43.80	14.72
1878.....	5.77	5.93	4.20	5.63	0.83	3.33	3.47	6.94	1.12	5.15	6.09	5.12	53.58	16.68
1879.....	2.00	3.05	3.90	4.69	1.20	4.14	3.38	6.43	1.74	0.90	2.98	3.60	38.01	12.45
1880.....	3.07	5.05	2.83	2.94	1.98	1.25	7.00	3.81	1.69	2.95	1.70	2.56	35.83	15.45

1881.....	5.56	4.43	4.79	1.71	3.18	4.83	2.78	1.13	2.13	2.87	3.85	3.83	41.09	8.91
1882.....	5.93	3.96	2.76	1.89	4.73	1.87	3.49	1.14	9.20	2.22	0.93	2.17	40.29	16.95
1883.....	2.88	3.59	1.76	2.27	3.95	1.81	2.88	0.39	1.31	5.16	2.06	3.14	31.20	9.74
1884.....	4.39	6.04	4.50	3.80	2.92	3.88	4.42	4.49	0.90	2.59	2.33	5.31	45.57	12.40
1885.....	5.25	3.98	1.09	3.71	3.46	2.96	1.73	7.01	1.63	5.26	5.26	2.32	43.66	15.63
1886.....	6.53	6.86	3.46	2.00	2.97	1.21	3.30	3.75	3.20	3.16	4.76	5.77	46.97	13.41
1887.....	5.29	5.34	5.10	4.45	1.02	2.58	3.77	3.70	1.28	2.49	2.76	3.80	41.58	11.24
1888.....	4.13	3.55	5.60	2.51	4.63	2.07	1.67	6.32	8.81	4.95	7.03	5.66	56.93	21.75
1889.....	5.46	1.56	2.28	3.19	3.64	3.17	9.10	4.57	4.92	3.85	5.79	2.70	50.23	22.44
1890.....	2.34	3.21	7.35	2.51	5.31	1.78	2.31	3.34	6.47	10.11	1.24	5.26	51.23	22.23
1891.....	6.67	5.02	5.49	3.62	1.67	3.78	2.99	4.91	2.12	4.14	2.84	3.17	46.42	14.16
1892.....	4.78	2.80	4.12	0.78	5.46	3.23	3.47	3.79	2.87	1.42	5.14	1.18	39.04	11.55
1893.....	2.61	7.26	3.13	3.21	5.45	2.75	2.40	5.86	1.76	3.74	2.08	5.03	45.28	13.76
1894.....	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38	39.08	13.59
1895.....	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	9.57	6.32	2.71	48.96	21.01
1896.....	2.43	6.70	5.20	1.60	2.27	3.04	2.22	2.43	8.21	3.53	3.00	2.15	42.78	16.39
T als.....	132.70	133.75	147.17	120.50	131.55	100.19	144.40	153.55	117.02	157.81	146.22	115.74	1,600.60	572.78
Averages.....	3.90	3.93	4.33	3.54	3.87	2.95	4.25	4.52	3.44	4.64	4.30	3.40	47.08	16.85

TABLE XVII.
Rainfall collected, in Inches, on Cochituate Water-shed, 1863 to 1896.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1863.....	1.93	3.11	3.71	4.42	1.44	0.67	2.97	1.51	0.98	1.32	2.65	2.17	26.88	6.78
1864.....	2.39	1.56	4.05	2.65	1.62	0.49	0.41	0.68	0.49	1.43	1.25	1.33	18.35	3.01
1865.....	2.15	1.74	4.66	2.70	4.70	0.34	0.46	0.47	0.45	0.70	1.00	1.13	20.50	2.08
1866.....	0.73	2.84	1.76	1.63	1.29	1.10	1.20	0.64	1.34	0.93	0.99	1.56	16.01	4.11
1867.....	1.10	5.24	3.50	2.87	2.20	0.65	0.59	2.10	0.31	1.02	1.10	1.12	21.80	4.02
1868.....	1.22	1.12	3.84	3.48	6.17	1.59	0.45	1.18	1.85	0.95	1.96	1.17	24.98	4.43
1869.....	1.82	1.84	3.31	2.49	2.20	1.07	0.74	0.58	1.10	2.37	1.30	3.17	21.99	4.79
1870.....	4.71	3.93	3.38	6.87	1.66	0.97	0.53	0.41	0.86	1.11	0.88	0.77	26.08	2.91
1871.....	1.03	2.28	2.53	1.58	2.00	0.87	0.43	0.85	0.39	0.69	1.30	1.21	15.16	2.36
1872.....	1.15	0.93	1.41	3.08	1.10	1.49	0.14	1.32	1.70	1.69	2.00	1.21	17.22	4.85
1873.....	3.09	1.57	3.89	6.09	2.66	0.45	0.62	1.40	0.78	2.04	1.86	2.68	27.13	4.84
1874.....	3.55	2.19	1.84	3.19	2.78	1.96	0.95	0.92	0.53	0.52	0.58	0.51	19.52	2.92
1875.....	0.13	1.92	2.66	3.15	1.39	1.48	0.25	0.62	0.60	1.19	1.96	1.22	17.57	2.66
1876.....	1.09	1.78	5.19	4.20	1.43	0.51	0.84	0.29	0.88	0.49	1.85	0.99	19.54	2.50
1877.....	1.20	1.37	6.81	3.24	2.04	0.92	0.65	0.67	0.46	1.16	2.69	1.96	23.17	2.94
1878.....	3.25	3.97	5.40	2.86	1.66	0.76	0.47	0.84	0.29	0.73	2.07	4.04	26.34	2.33
1879.....	1.29	2.32	3.30	4.48	1.40	0.77	0.33	0.95	0.61	0.60	0.72	1.04	17.81	2.49
1880.....	1.47	2.24	1.79	1.57	0.44	0.06	0.33	0.32	0.24	0.49	0.83	0.61	10.30	1.29

1881.....	1.19	2.23	5.66	1.79	1.26	1.31	0.16	0.09	0.23	0.18	0.84	1.40	16.34	0.66
1882.....	1.84	3.00	3.67	0.93	1.55	0.62	0.06	0.07	0.97	0.84	0.58	0.92	15.05	1.94
1883.....	0.84	1.59	2.04	1.66	1.26	0.07	0.02	0.07	0.62	0.59	0.41	0.94	10.11	1.30
1884.....	1.84	2.86	4.67	4.00	1.39	0.67	0.26	0.61	0.13	0.34	0.62	1.82	19.21	1.34
1885.....	1.90	2.00	2.21	2.36	1.61	0.43	0.00	0.33	0.25	0.79	2.05	1.64	15.57	1.37
1886.....	2.28	7.93	3.51	2.52	1.09	0.18	0.25	0.14	0.30	0.42	1.20	2.10	21.92	1.11
1887.....	4.06	4.34	4.70	3.36	1.35	0.82	0.72	1.33	0.64	0.49	0.70	0.96	23.47	3.18
1888.....	1.13	2.77	4.76	3.45	2.37	0.53	0.47	0.94	2.31	2.57	4.21	5.46	30.97	6.29
1889.....	4.50	1.85	2.08	2.17	1.20	1.18	1.63	3.43	1.79	1.91	2.95	3.26	27.95	8.76
1890.....	1.92	2.04	5.87	2.23	1.85	1.41	0.33	0.46	1.40	3.40	1.49	2.11	24.51	5.59
1891.....	6.26	6.62	8.03	4.31	0.88	0.77	0.50	0.72	0.76	0.79	0.83	1.60	32.07	2.77
1892.....	3.18	1.64	3.12	0.90	2.03	0.49	0.33	0.56	0.60	0.57	1.09	0.84	15.35	2.06
1893.....	0.64	2.55	4.12	2.42	1.83	0.75	0.38	0.77	0.42	1.09	1.00	1.68	17.65	2.66
1894.....	1.27	1.69	2.55	2.15	0.91	0.45	0.38	0.41	0.46	0.66	0.92	1.14	12.99	1.91
1895.....	1.58	0.75	3.50	3.35	0.97	0.40	0.55	0.50	0.69	1.97	3.51	2.40	20.17	3.71
1896.....	1.72	3.69	5.52	2.01	0.62	0.71	0.37	0.47	1.03	1.28	1.39	1.30	20.14	3.15
Totals.....	69.45	90.50	129.04	100.16	60.35	26.94	18.77	26.56	26.46	37.32	50.78	57.46	693.82	109.11
Averages....	2.04	2.66	3.79	2.95	1.77	0.79	0.55	0.78	0.78	1.10	1.49	1.69	20.41	3.21

TABLE XVIII.
Percentage of Rainfall collected on Cochituate Water-shed, 1863 to 1896.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly.	4 months. July-Oct.
1863.....	47.0	71.0	104.0	39.0	54.0	34.0	21.0	27.0	29.0	29.0	31.0	43.0	38.8	24.5
1864.....	71.0	159.0	48.0	66.0	57.0	84.0	39.0	19.0	32.0	22.0	23.0	31.0	43.0	23.8
1865.....	43.0	39.0	85.0	124.0	57.0	37.0	15.0	14.0	27.0	10.0	21.0	34.0	41.4	13.8
1866.....	51.0	49.0	45.0	84.0	20.0	23.0	9.0	16.0	16.0	27.0	22.0	36.0	25.7	14.1
1867.....	40.0	97.0	62.0	118.0	34.0	22.0	11.0	17.0	29.0	14.0	42.0	59.0	38.7	15.4
1868.....	33.0	95.0	153.0	62.0	76.0	54.0	21.0	16.0	24.0	80.0	29.0	261.0	50.2	24.0
1869.....	49.0	26.0	44.0	97.0	29.0	29.0	28.0	25.0	13.0	25.0	40.0	53.0	34.2	20.9
1870.....	60.0	84.0	56.0	78.0	53.0	24.0	17.0	20.0	134.0	14.0	20.0	24.0	46.7	21.2
1871.....	79.0	99.0	50.4	68.8	35.3	14.6	19.6	23.8	26.8	12.8	18.5	37.4	33.4	18.7
1872.....	61.8	67.8	46.0	177.3	33.8	34.8	2.6	13.5	27.0	45.7	47.4	35.3	35.5	19.2
1873.....	72.9	64.8	97.8	226.4	82.2	119.1	15.1	19.5	29.8	33.4	40.9	67.9	59.8	24.2
1874.....	120.0	75.5	154.7	50.2	81.7	40.8	30.0	19.1	34.3	50.3	28.4	29.9	54.3	27.6
1875.....	5.5	92.8	71.2	97.5	39.9	23.7	7.1	11.2	17.4	24.6	40.5	129.8	38.6	15.3
1876.....	59.3	42.4	69.9	129.7	50.9	31.6	8.9	13.3	22.2	24.3	23.1	31.5	40.3	14.2
1877.....	37.6	258.9	87.4	100.0	54.6	34.8	23.3	19.6	99.8	14.3	38.8	192.6	52.9	20.0
1878.....	56.3	66.9	128.6	50.7	200.0	23.2	13.5	12.0	25.8	14.3	34.0	78.8	49.2	14.0
1879.....	64.4	76.3	84.5	95.6	117.0	18.6	9.7	14.7	35.0	66.5	24.2	28.9	46.9	20.0
1880.....	47.9	55.3	63.3	53.3	22.2	4.5	4.7	6.1	14.3	16.6	48.9	23.8	28.7	8.3

1881.....	21.5	50.3	118.1	104.8	39.6	27.0	5.8	7.6	10.8	6.4	21.8	36.7	39.8	7.4
1882.....	31.0	75.9	133.0	49.3	32.8	33.1	1.7	6.2	10.5	37.9	62.4	42.3	37.4	12.1
1883.....	29.2	44.3	115.8	73.1	31.9	3.7	0.6	18.6	47.4	11.5	20.0	29.8	32.4	13.3
1884.....	41.8	47.4	103.9	105.1	47.5	17.3	5.0	13.6	14.9	13.1	26.7	34.2	42.2	10.8
1885.....	36.1	50.2	202.7	63.6	46.7	14.4	0.0	4.8	15.5	15.0	39.0	70.7	35.7	8.8
1886.....	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	8.3
1887.....	60.2	80.8	72.0	81.3	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.6	47.8	28.3
1888.....	27.5	78.0	85.0	137.3	51.2	25.8	28.1	14.9	26.2	51.9	59.9	96.4	54.4	28.9
1889.....	82.5	118.7	91.5	68.1	32.9	37.1	17.9	75.0	36.4	49.6	50.9	120.9	55.6	39.0
1890.....	82.0	63.4	79.9	88.9	34.9	79.1	14.2	13.9	21.6	33.7	120.0	40.2	47.9	25.1
1891.....	93.8	131.9	146.3	119.1	52.8	20.4	16.7	14.7	35.9	19.0	29.2	50.5	69.1	19.6
1892.....	66.6	58.5	75.7	115.5	37.1	15.3	9.5	14.7	21.1	40.2	21.2	71.1	39.3	17.8
1893.....	24.5	35.1	131.7	75.7	33.5	27.2	15.9	13.2	23.9	28.8	48.4	33.4	39.0	19.3
1894.....	32.3	43.5	219.7	65.8	24.6	27.9	10.4	16.1	20.0	12.8	26.1	26.1	33.3	14.1
1895.....	40.1	44.2	112.4	66.5	47.8	13.0	11.8	12.6	25.0	20.6	55.5	88.6	41.2	17.5
1896.....	70.9	55.0	106.2	125.8	27.5	23.5	16.9	19.4	12.5	36.4	46.5	60.6	47.1	21.3
Totals.....	1,775.3	2,604.2	3,346.6	3,211.7	1,793.4	1,100.3	475.2	587.0	1,000.8	932.8	1,250.4	2,053.7	1,470.2	630.8
Averages....	52.2	76.6	98.4	94.5	52.7	32.4	14.0	17.3	29.4	27.4	36.8	60.4	43.2	18.5

TABLE XIX.

Rainfall, in Inches, on Sudbury-river Water-shed, 1875 to 1896.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1875.....	2.420	3.150	3.740	3.230	3.560	6.240	3.570	5.530	3.430	4.850	4.830	0.940	45.490	17.380
1876.....	1.820	4.210	7.430	4.197	2.703	2.040	9.134	1.720	4.014	2.241	5.764	3.020	49.563	17.709
1877.....	3.216	0.739	8.357	3.435	3.702	2.425	2.951	3.682	0.323	8.515	5.803	0.870	44.018	15.471
1878.....	5.432	5.973	4.689	5.730	0.966	3.884	2.971	6.967	1.291	6.417	7.024	6.367	57.931	17.616
1879.....	2.478	3.562	3.140	4.716	1.836	3.789	3.333	6.509	1.878	0.809	2.682	4.344	41.419	13.129
1880.....	3.566	3.980	3.315	3.105	1.879	2.138	6.273	4.008	1.603	3.740	1.785	2.828	38.177	15.624
1881.....	3.558	4.646	5.730	2.000	3.511	5.395	2.350	1.358	2.617	2.955	4.091	3.458	44.169	9.280
1882.....	5.951	4.546	2.649	1.824	5.066	1.664	1.769	1.667	8.741	2.074	1.147	2.296	39.394	14.251
1883.....	3.865	3.865	1.780	1.845	4.185	2.400	3.665	0.735	1.520	5.000	1.810	3.550	32.780	10.535
1884.....	5.085	6.545	4.720	3.470	3.445	3.445	3.665	0.865	0.865	5.000	2.645	5.170	47.135	11.650
1885.....	4.710	3.865	1.070	3.605	3.485	2.805	1.425	7.185	1.425	5.095	6.095	2.720	43.545	15.130
1886.....	6.335	6.280	3.610	2.224	2.995	1.465	3.265	4.100	2.905	3.235	2.480	4.975	46.065	13.505
1887.....	5.200	4.780	4.900	4.265	2.995	2.650	3.760	5.280	1.390	4.895	2.670	3.880	42.703	13.195
1888.....	4.150	3.685	6.020	2.425	4.825	2.800	1.405	6.225	8.585	4.900	7.224	5.395	57.463	21.205
1889.....	5.370	1.655	2.365	3.410	2.945	2.800	8.940	4.175	6.095	4.255	6.290	3.140	49.950	21.975
1890.....	2.530	5.505	7.735	2.645	5.210	2.030	2.460	3.865	2.380	10.510	1.200	3.310	53.000	22.835
1891.....	7.020	5.235	6.475	3.905	2.010	3.770	3.395	4.725	2.840	3.830	2.000	3.085	49.520	14.330
1892.....	5.850	3.140	4.060	0.830	5.585	2.700	4.230	4.440	1.770	1.170	5.800	1.125	41.830	12.680
1893.....	2.925	8.195	3.670	3.605	6.616	2.380	2.570	5.415	1.735	4.065	2.195	4.860	48.225	13.785
1894.....	4.090	3.910	1.435	3.415	4.235	1.155	3.255	2.630	2.635	5.345	3.425	4.810	39.740	13.265
1895.....	4.060	1.395	2.980	5.250	2.020	2.770	5.040	4.150	2.300	10.680	6.625	3.350	50.620	22.170
1896.....	2.330	7.180	5.235	1.570	2.575	3.220	2.510	2.395	7.720	3.765	3.020	2.125	43.765	16.390
Totals.....	93.206	94.041	97.105	71.697	74.288	63.820	81.551	90.781	71.322	99.456	89.861	79.318	1006.446	343.110
Averages.....	4.236	4.275	4.414	3.259	3.377	2.901	3.707	4.125	3.242	4.521	4.085	3.605	45.748	15.596

TABLE XX.
Rainfall collected, in Inches, on Sudbury-river Water-shed, 1875 to 1896.

YEARS.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1875.....	0.184	2.411	2.862	5.263	2.119	1.501	0.573	0.706	0.358	1.152	2.248	1.041	20.418	2.789
1876.....	1.147	2.282	7.911	5.683	2.031	0.383	0.326	0.723	0.318	0.417	1.878	0.809	23.908	1.764
1877.....	1.174	1.529	8.586	4.132	2.482	1.031	0.360	0.216	0.103	1.127	2.447	2.300	25.487	1.806
1878.....	3.228	3.972	6.256	2.807	2.487	0.873	0.229	0.848	0.277	0.921	2.922	5.667	30.487	2.275
1879.....	1.249	2.756	4.156	5.379	1.987	0.713	0.281	0.705	0.243	0.126	0.355	0.825	18.775	1.255
1880.....	2.000	2.982	2.451	2.017	0.917	0.203	0.315	0.212	0.138	0.181	0.354	0.312	12.182	0.846
1881.....	0.540	2.491	7.142	2.639	1.721	2.303	0.433	0.264	0.340	0.331	0.682	1.353	20.565	1.428
1882.....	2.213	3.872	5.094	1.497	2.304	0.913	0.184	0.039	0.329	0.331	0.382	0.51	18.102	1.316
1883.....	0.337	1.064	2.873	2.320	1.673	0.518	0.206	0.140	0.157	0.331	0.354	0.345	11.188	0.834
1884.....	1.775	4.742	6.752	4.925	1.838	0.719	0.339	0.458	0.076	0.148	0.302	1.650	23.784	1.081
1885.....	2.006	2.182	2.805	3.133	2.383	0.735	0.111	0.429	0.209	0.539	2.033	2.094	18.916	1.348
1886.....	2.066	7.734	3.672	3.361	1.285	0.350	0.206	0.168	0.203	0.260	1.161	1.819	22.825	0.887
1887.....	4.619	4.558	5.116	4.522	1.739	0.714	0.204	0.382	0.191	0.339	0.636	1.147	24.227	1.116
1888.....	1.878	3.255	5.775	4.566	2.912	0.728	0.209	0.677	1.194	3.566	4.761	5.428	35.749	6.446
1889.....	4.963	1.926	2.388	2.434	1.569	1.128	1.130	2.554	1.422	2.194	3.351	3.997	29.066	7.300
1890.....	2.237	2.463	6.498	3.236	2.437	0.980	0.191	0.235	0.700	4.053	2.097	1.776	26.903	5.269
1891.....	5.333	5.616	7.944	4.138	1.039	0.714	0.266	0.290	0.350	0.375	0.526	0.971	27.612	1.281
1892.....	3.335	1.574	3.488	1.504	2.245	0.739	0.382	0.500	0.396	0.224	1.204	0.865	16.456	1.502
1893.....	0.773	2.485	5.789	3.668	5.143	0.759	0.2-2	0.322	0.187	0.395	0.550	1.421	21.774	1.186
1894.....	1.236	1.595	3.992	2.832	1.498	0.722	0.287	0.373	0.258	0.668	1.442	1.277	16.182	1.586
1895.....	1.844	0.871	4.299	4.341	1.134	0.301	0.411	0.409	0.153	2.460	4.794	3.179	24.106	3.433
1896.....	1.933	4.466	6.841	2.579	0.641	0.689	0.170	0.102	0.669	1.055	1.137	1.171	21.453	1.936
Totals.....	47.317	67.427	112.660	77.016	43.644	17.823	7.185	10.812	9.361	21.456	35.506	40.038	490.335	48.814
Averages.....	2.151	3.065	5.121	3.501	1.984	0.810	0.326	0.491	0.425	0.975	1.618	1.820	22.288	2.219

TABLE XXI.

*Percentage of Rainfall collected on Sudbury-river Water-shed,
1875 to 1896.*

YEAR.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months. July-Oct.
1875.....	7.6	76.5	76.5	162.9	59.5	24.0	16.0	12.8	10.4	23.8	46.5	110.7	44.9	16.0
1876.....	62.7	54.2	106.5	135.4	73.5	18.8	3.6	42.0	6.9	18.6	32.6	22.3	48.2	10.1
1877.....	36.5	206.9	102.7	120.3	67.0	42.5	12.2	5.9	31.9	13.2	42.2	264.4	57.9	11.7
1878.....	57.3	66.5	133.4	48.5	260.2	22.5	7.7	12.2	21.5	14.3	41.6	89.0	52.6	12.9
1879.....	50.4	77.4	80.9	114.1	125.8	18.8	7.1	10.8	12.9	15.6	13.2	19.0	45.3	10.3
1880.....	56.0	74.9	73.9	65.0	50.0	14.2	5.0	5.3	8.6	4.8	19.9	11.0	31.9	5.4
1881.....	13.3	53.6	124.6	133.4	49.0	42.8	21.0	19.4	13.0	11.2	16.7	34.9	46.6	15.4
1882.....	37.2	85.2	191.2	82.1	45.5	54.9	8.7	5.9	6.0	25.7	31.5	24.5	45.9	9.2
1883.....	21.2	43.0	161.4	126.3	40.0	21.6	7.7	19.1	10.4	5.9	19.5	9.7	34.1	7.9
1884.....	34.9	72.5	143.1	111.8	53.0	20.9	10.9	9.8	8.9	6.0	11.4	31.9	50.5	9.3
1885.....	46.8	56.4	262.1	86.9	68.4	25.7	7.8	6.0	14.7	11.8	33.3	77.0	43.4	8.9
1886.....	40.9	123.2	101.7	151.1	42.9	23.9	6.3	4.1	7.0	8.0	25.0	36.6	49.5	6.2
1887.....	88.8	95.3	104.4	106.0	154.5	26.9	5.5	7.2	14.5	12.0	23.8	29.6	56.7	8.5
1888.....	45.3	88.3	95.9	188.3	60.3	28.7	14.9	10.9	23.2	71.4	65.9	100.6	62.2	30.4
1889.....	92.4	116.4	100.9	71.4	53.3	40.3	12.6	61.2	30.9	51.6	53.3	127.3	58.2	33.2
1890.....	88.4	70.3	84.0	122.3	46.8	48.3	7.8	6.1	13.2	38.6	174.7	33.5	50.9	23.1
1891.....	76.7	107.3	122.7	106.0	51.7	18.9	7.8	6.1	14.7	9.8	17.0	26.3	55.8	8.9
1892.....	57.0	50.1	85.9	181.1	40.2	26.8	9.0	11.3	13.9	19.2	20.7	76.9	39.3	11.8
1893.....	26.4	30.3	157.7	101.7	77.8	31.9	11.0	5.9	10.8	9.7	25.1	29.2	45.2	8.6
1894.....	30.2	40.8	278.2	82.9	35.4	62.6	8.8	18.4	9.8	12.5	42.1	26.5	40.7	12.0
1895.....	45.4	62.5	144.2	82.7	56.1	10.8	8.2	9.9	6.7	23.0	72.4	94.9	47.8	15.5
1896.....	80.9	62.2	130.7	164.3	24.9	21.4	6.8	4.3	8.7	28.0	37.7	55.1	49.1	11.9
Totals.....	1096.3	1713.8	2862.6	2544.5	1535.8	647.2	206.4	294.6	298.6	434.7	866.1	1330.9	1056.7	287.2
Averages..	49.8	77.9	130.1	115.7	69.8	29.4	9.4	13.4	13.6	19.8	39.4	60.5	48.0	13.1

TABLE XXII.
Rainfall, in Inches, on Mystic Water-shed, 1878 to 1896.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1878.....	5.67	5.74	3.93	5.73	0.67	2.62	3.52	7.51	3.19	4.95	5.69	4.845	54.065	19.17
1879.....	1.82	2.73	3.52	4.65	1.86	3.98	2.39	5.48	1.60	0.77	2.76	3.74	35.30	10.24
1880.....	2.62	4.23	2.49	2.18	2.02	1.49	7.23	3.64	1.42	2.70	1.90	2.50	34.42	14.99
1881.....	5.82	3.63	6.69	1.54	2.98	6.84	2.60	0.67	2.17	2.16	3.52	3.29	41.91	7.60
1882.....	5.545	4.68	2.49	2.11	4.58	2.09	2.34	1.065	8.35	1.94	1.745	2.23	39.165	13.695
1883.....	2.67	3.065	2.22	2.47	3.585	1.635	2.785	0.87	1.495	5.45	1.98	2.995	31.22	10.00
1884.....	4.745	6.085	4.255	3.18	2.95	4.635	3.72	4.855	0.70	2.70	2.005	4.56	44.39	11.975
1885.....	4.83	3.40	1.175	3.445	3.945	4.41	2.04	5.90	1.425	5.52	6.31	2.10	44.50	14.885
1886.....	6.315	7.175	3.84	2.10	2.945	1.54	3.71	3.24	2.955	2.85	4.065	4.825	45.560	12.755
1887.....	5.245	4.47	5.00	4.605	1.69	2.695	6.585	4.965	1.50	3.04	3.05	3.575	46.42	16.090
1888.....	4.05	3.28	5.185	2.84	5.095	2.20	2.23	6.23	8.56	4.955	6.85	5.27	56.745	21.975
1889.....	5.505	1.80	2.285	3.61	4.64	3.315	8.455	3.92	4.705	3.59	5.65	2.86	50.395	20.67
1890.....	2.725	3.38	6.68	2.405	6.30	3.38	2.265	3.64	3.70	8.84	1.885	4.67	49.37	18.445
1891.....	6.245	5.075	6.07	3.15	2.46	4.43	3.18	3.88	2.16	4.735	2.605	3.41	47.40	13.955
1892.....	4.515	3.015	4.005	0.815	5.585	4.15	2.575	4.82	2.005	1.835	4.645	1.15	39.115	11.235
1893.....	2.26	7.50	2.55	3.37	6.26	2.10	2.04	5.41	2.01	4.10	2.25	4.35	44.20	13.56
1894.....	3.93	3.31	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.58	3.49	3.97	39.24	14.07
1895.....	3.535	0.655	3.00	4.185	3.150	3.630	4.345	5.435	2.040	10.105	7.260	2.900	48.73	22.015
1896.....	2.355	5.085	4.550	1.775	2.010	2.345	2.420	2.610	7.885	3.220	3.320	2.330	39.90	16.135
Totals.....	80.400	78.365	71.025	57.640	67.905	58.205	67.880	76.660	60.390	79.130	69.480	64.97	832.015	284.060
Averages....	42.316	41.245	37.38	30.337	35.74	30.634	35.726	40.347	31.784	41.648	36.568	34.195	43.732	14.950

TABLE XXIII.

Rainfall collected, in Inches, on Mystic Water-shed, 1878 to 1896.

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	4 months, July-Oct.
1878	3.55	3.97	4.91	2.21	2.16	0.78	0.48	1.11	0.56	0.71	1.75	3.63	25.82	2.86
1879... ..	1.21	2.33	3.31	3.97	1.95	0.97	0.54	0.70	0.48	0.34	0.45	0.69	16.94	2.06
1880	1.70	2.54	1.95	1.50	0.96	0.51	0.67	0.54	0.45	0.36	0.44	0.59	12.21	2.02
1881.....	0.82	2.14	6.79	2.17	1.51	2.05	0.87	0.35	0.31	0.29	0.50	0.87	18.67	1.82
1882.....	1.37	3.03	4.19	1.16	1.85	0.81	0.35	0.22	0.53	0.58	0.39	0.57	15.05	1.68
1883.....	0.70	1.43	1.88	1.63	1.20	0.52	0.30	0.22	0.18	0.39	0.42	0.44	9.31	1.09
1884.....	1.49	3.89	5.42	3.85	1.48	0.85	0.58	0.60	0.23	0.27	0.35	1.17	20.18	1.68
1885.....	1.79	1.81	2.05	2.03	2.18	0.86	0.47	0.54	0.34	0.68	2.41	2.39	17.55	2.03
1886.....	2.31	7.70	3.91	3.24	1.27	0.55	0.41	0.25	0.32	0.38	0.88	1.43	22.65	1.36
1887.....	3.16	3.61	3.60	3.75	1.89	1.27	0.87	1.35	0.48	0.57	0.71	0.91	22.17	3.27
1888.....	1.43	3.32	4.28	3.27	2.88	0.84	0.39	0.54	1.31	2.74	5.04	5.08	31.12	4.98
1889... ..	4.51	1.83	1.60	2.27	2.18	1.89	1.33	2.05	1.06	1.21	2.49	3.06	25.48	5.65
1890... ..	2.07	2.23	5.37	2.93	3.00	1.92	0.43	0.46	0.58	2.61	1.95	2.49	26.04	4.08
1891.....	6.29	5.97	7.21	3.43	1.40	1.01	0.42	0.44	0.42	0.58	0.56	0.87	28.60	1.86
1892.....	2.49	1.76	3.03	1.33	2.10	1.17	0.66	0.49	0.56	0.45	1.07	0.87	15.98	2.16
1893.....	0.75	2.14	4.52	2.72	4.42	1.04	0.47	0.69	0.41	0.55	0.71	1.27	19.69	2.12
1894.....	1.37	1.87	3.05	2.27	1.31	0.91	0.49	0.38	0.36	0.58	0.91	0.90	14.40	1.81
1895.....	1.55	0.87	3.16	2.95	1.14	0.54	0.60	0.80	0.36	1.46	2.37	2.12	17.91	3.22
1896.....	1.85	3.40	4.50	3.26	0.77	0.75	0.39	0.34	1.06	0.89	1.11	1.24	19.55	2.68
Totals	40.41	55.84	74.73	49.94	35.65	19.24	10.72	12.07	10.00	15.64	24.51	30.59	379.32	48.43
Averages..	2.13	2.94	3.93	2.63	1.88	1.01	0.56	0.63	0.53	0.82	1.29	1.61	19.96	2.55

TABLE XXIV.

Percentage of Rainfall collected at Mystic Water-shed, 1878 to 1896.

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months, July-Oct.
1878.....	62.6	69.2	125.0	38.6	322.9	29.6	13.5	14.8	17.7	14.3	30.8	74.9	47.8	14.9
1879.....	66.6	85.4	93.9	85.3	104.9	24.5	22.6	12.8	29.7	44.2	16.2	18.6	48.0	20.1
1880.....	64.9	60.1	78.4	68.8	47.3	34.3	9.2	14.7	31.7	13.5	22.9	23.8	35.5	13.5
1881.....	14.2	58.9	101.5	141.1	50.7	29.9	33.3	51.9	14.1	13.6	14.3	26.3	44.5	23.9
1882.....	24.8	64.8	168.4	55.0	40.4	38.6	14.9	20.8	6.3	30.0	22.2	25.5	38.4	12.3
1883.....	26.1	46.7	84.8	65.9	33.5	31.8	10.8	25.7	12.1	7.2	21.1	14.7	29.8	10.3
1884.....	31.5	63.9	127.3	121.2	50.2	18.3	15.5	12.4	33.5	9.9	17.4	25.6	45.5	14.0
1885.....	37.1	53.3	174.5	58.8	55.3	19.6	22.8	9.2	23.7	12.2	38.2	113.6	39.4	13.6
1886.....	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	10.7
1887.....	60.2	80.8	72.0	81.3	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.6	47.8	20.3
1888.....	35.2	101.3	82.5	115.2	56.6	38.1	17.5	8.8	15.3	55.3	73.6	96.4	54.8	22.7
1889.....	81.8	98.2	70.2	63.0	46.9	57.0	15.8	22.2	22.5	33.7	44.1	107.0	50.6	27.3
1890.....	75.6	66.0	80.4	121.8	47.6	56.9	19.0	12.7	15.6	29.5	141.2	53.5	52.8	22.1
1891.....	100.7	117.6	118.7	109.0	57.0	22.8	13.3	11.3	19.3	12.1	21.7	25.6	60.3	13.3
1892.....	55.0	58.5	75.7	163.6	37.5	28.3	25.7	10.2	27.7	24.3	23.1	75.2	40.9	19.2
1893.....	33.3	28.6	177.3	80.7	70.6	49.5	23.2	12.6	20.5	13.4	31.5	29.1	44.5	15.6
1894.....	34.8	56.5	280.1	65.4	25.3	125.8	14.2	15.1	14.3	10.5	26.0	22.7	36.7	12.9
1895.....	43.7	132.2	105.2	70.6	36.0	15.0	13.8	14.7	17.6	14.4	37.8	92.2	36.8	15.1
1896.....	78.7	66.8	98.9	183.5	38.5	31.9	16.2	12.9	13.5	27.5	33.4	53.1	49.0	17.5
Totals....	963.4	1416.1	2216.7	1843.1	1276.2	734.7	325.6	347.7	377.9	397.7	660.6	933.1	852.8	319.3
Averages,	50.71	74.53	116.67	97.01	67.17	38.67	17.14	18.30	19.89	20.93	34.77	49.11	44.88	16.81

SUMMARY OF STATISTICS.

REPORT FOR 1896.

Boston Water Works, Suffolk County, Massachusetts, supplies also the cities of Somerville, Chelsea, and Everett.

Population by census of 1895:

Boston	496,920
Chelsea	31,264
Somerville	52,200
Everett	18,573
Total	598,957

Date of Construction:

Cochituate Works	1848
Mystic	1864

By whom owned. — City of Boston.

Sources of supply. — Lake Cochituate, Sudbury river, and Mystic lake.

Mode of supply. — Sixty-five per cent from gravity works.
 Thirty-five “ “ pumping “

PUMPING.

	COCHITUATE.	MYSTIC.
Builder of pumping machinery	Holly Mfg. Co. and Quintard Iron Works.	H. R. Worthington and G. F. Blake Mfg. Co.
Description of coal used:		
<i>a</i> Kind	Bituminous.	Bituminous.
<i>c</i> Size	Broken.	Broken.
<i>e</i> Price per gross ton, in bins	\$3.90, \$3.94, \$4.15	\$3.55, \$3.63, \$3.66, \$3.81
<i>f</i> Per cent of ash	10.8	11.6
Coal consumed for year, in lbs.	5,143,055	8,699,970
Total pumpage for year, in gallons	5,182,810,750	4,374,612,900
Gallons pumped per lb. of coal	1007.7	502.9
Cost of pumping figured on pumping-station expenses, viz.:	\$29,750.67	\$34,445.37
Cost per million gallons raised to reservoir	\$5.74	\$7.88

CONSUMPTION.

	COCHITUATE.	MYSTIC.
Estimated population . . .	481,700	135,400
Estimated number of consumers, . .	478,200	134,200
Total consumption, gallons . .	20,606,590,000	4,374,612,900
Passed through meters . . .	4,804,020,000	784,800,000
Percentage metered . . .	23.3	17.9
Average daily consumption gallons	56,288,200	11,951,100
Gallons per day, each inhabitant	116.9	88.3
Gallons per day, each consumer, . . .	117.7	89.1

DISTRIBUTION.

Mains.

	COCHITUATE.	MYSTIC.
Kind of pipe used	Cast-Iron	Cast-Iron, Wrought-Iron, and Cement.
Sizes	48 in. to 4 in.	36 in. to 3 in.
Extended, miles	23.9	5.4
Total now in use	619.9	184.0
Distribution-pipes less than 4 in., length, miles	2.3	4.0
Hydrants added	253	96
Hydrants now in use	6,711	1,639
Stop-gates added	423	106
Stop-gates now in use	7,087	2,391

Services

	Lead,	Lead and Wrought-Iron.
Kind of pipe used	Lead,	Lead and Wrought-Iron.
Sizes	$\frac{5}{8}$ in. to 6 in.	$\frac{1}{2}$ in. to 4 in.
Extended, feet	59,325	18,840
Service-taps added	2,441	822
Total now in use	73,320	24,942
Meters now in use	4,358	469
Motors and elevators in use	534	21

¹ BOSTON WATER BOARD.*Organized July 31, 1876.*

TIMOTHY T. SAWYER, from July 31, 1876, to May 5, 1879; and from May 1, 1882, to May 4, 1883.
 LEONARD R. CUTTER, from July 31, 1876, to May 4, 1883.²
 ALBERT STANWOOD, from July 31, 1876, to May 7, 1883.²
 FRANCIS THOMPSON, from May 5, 1879, to May 1, 1882.²
 WILLIAM A. SIMMONS, from May 7, 1883, to August 18, 1885.
 GEORGE M. HOBBS, from May 4, 1883, to May 4, 1885.
 JOHN G. BLAKE, from May 4, 1883, to August 18, 1885.
 WILLIAM B. SMART, from May 4, 1885, to March 18, 1889.
 HORACE T. ROCKWELL, from August 25, 1885, to April 25, 1888.
 PHILIP J. DOHERTY, from March 18, 1889, to May 4, 1891.
 THOMAS F. DOHERTY, from August 26, 1885, to May 5, 1890; and from May 4, 1891, to July 1, 1895.
 ROBERT GRANT, from April 25, 1888, to July 18, 1893.
 JOHN W. LEIGHTON, from May 5, 1890, to July 1, 1895.
 WILLIAM S. McNARY, from August 15, 1893, to November 5, 1894.
 CHARLES W. SMITH, from January 23, 1895, to July 1, 1895.

¹ *Water Commissioners.*

CHARLES W. SMITH, from July 1, 1895, to January 20, 1896.³
 JEREMIAH J. MCCARTHY (Acting), from January 20, to February 1, 1896.
 JOHN R. MURPHY, from February 1, 1896, to present time.

Assistant Water Commissioners.

JEREMIAH J. MCCARTHY, from July 1, 1895, to January 20, 1896.
 EDWARD C. ELLIS, from February 17, 1896, to present time.

Chief Clerk and Secretary.

WALTER E. SWAN.

General Superintendent Income Division.

JOS. H. CALDWELL.

City Engineer and Engineer of the Department.

WILLIAM JACKSON.

General Superintendent of the Western Division.

DESMOND FITZGERALD.

General Superintendent of the Eastern Division.

HUGH McNULTY.

¹ Under Chap. 449 of the Acts of 1895 the Boston Water Board was abolished, and the Water-Supply and Water-Income Departments consolidated and placed under the charge of one Water Commissioner.

² Deceased.

³ Resigned.



ANNUAL REPORT
OF THE
WIRE DEPARTMENT
FOR THE YEAR 1896-7.

OFFICE OF THE COMMISSIONER OF WIRES,
OLD COURT HOUSE, BOSTON, February 1, 1897.

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

SIR: I respectfully submit my first annual report as Commissioner of Wires, and the third issued since the Wire Department was established, covering the expenses incurred and the work accomplished by it from February 1, 1896, to February 1, 1897.

The working force of the department consists of four divisions, exclusive of the office force, viz., the interior, overhead, dead-wire and underground.

Of all the varied work performed by the men in this department, that done by the members of the interior division is by far the most important and far-reaching in its effect upon the safety and welfare of the citizens of Boston.

The use of the highest grade of insulation, conductors and appliances, their proper installation and location, and the exclusion of all inferior material and devices is absolutely necessary for the prevention of fires caused by electricity and injury to persons and loss of life.

The duty of this division is to see that this high standard is maintained. This requires patience and forbearance, a

thorough knowledge of the rules and requirements of the department, the careful calculations for the proper size of conductors, of the various electrical devices and materials in use for the distribution and control of electric energy, and the best methods of installing them.

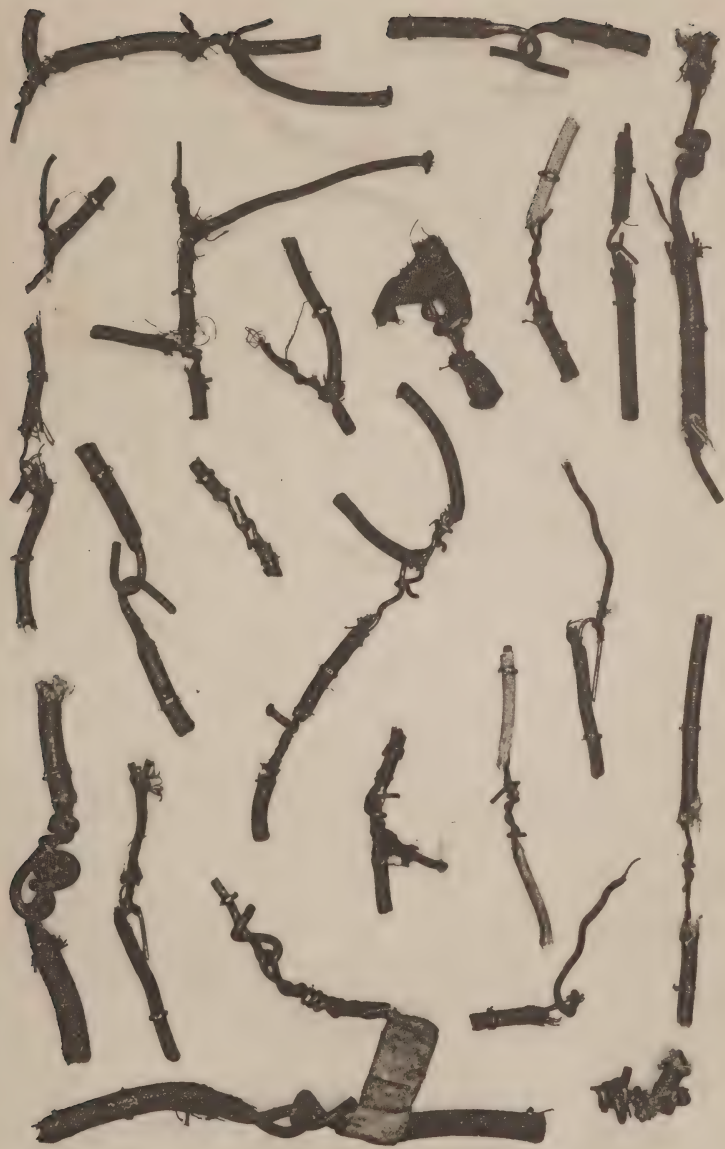
A high grade of insulation cannot be maintained on overhead conductors, and as a matter of fact no attempt is made to do so in the present method of overhead electrical construction. This might be done if the conductors and their insulating covering were incased in lead pipe, as is done with underground conductors, but if this were done it would be better to go a step farther and place them underground.

When the insulation of overhead or underground conductors fails, the danger of fire in the interior of buildings due to electricity is greatly increased, unless the greatest care is exercised in installing and insulating the wires, lamps, switches, and other electrical appliances contained therein.

The standard of insulation, established by this department for underground conductors, is ample, if it can be maintained; and there is no reason to suppose that it cannot be for a good many years.

A large amount of electrical conductors was placed underground before the act creating this department became a law, the standard of insulation for which was determined not by this department, but was the best that could be obtained at the time. To attempt to establish a higher standard of insulation for this vast net work of underground conductors would cause great hardship to the owners, very great inconvenience not only to the great number of individuals and firms using electric lights and motors, but to the public at large, and an attempt to do so is beyond the province of this department. While failures of the insulation of these conductors are inevitable, owing to the inexcusable negligence of those making frequent excavations in the street, and to the natural deterioration of the material, fires due to this cause can be kept down to a minimum if the high standard of work now required is maintained by the interior division.

That the fire hazard and danger to life is greatly reduced by placing the electric wires underground cannot be denied; and, where entire circuits are so placed, the highest possible standard of insulation can be maintained; but as a matter of fact there is but one system of electric light and power circuits that is wholly underground. While some of the high potential circuits proper are wholly underground, the service connections are in most cases carried above the surface, thence



Imperfect joints taken from places of amusement--- every one a source of danger.

to the roofs of buildings which are used as distribution points from which different customers can be reached without crossing the public streets. This practice cannot be prevented by this department, and it is to be regretted that this is the case; for while the insulation of the underground circuits can be maintained at 600 megohms per mile, every overhead service attached thereto tends to reduce it far below what is desired or deemed necessary.

After the work of placing the wires under ground within the prescribed district is completed, there will be very few of the circuits that will be wholly removed from above the surface, because nearly all of them extend beyond the limits of the prescribed district, where they again seek poles in the streets and fixtures on the housetops, causing their absolute insulation resistance to drop below a safe point, thus neutralizing the good effect of the high insulation of the underground conductors, and still compelling the same strict supervision on the part of the interior division as when all wires were overhead.

All that has been said of the underground and overhead conductors for the transmission of electric energy for light, heat and power applies with equal force to the feeders of the West End Street Railway Company. Connections with the underground feeders are made at frequent intervals to the bare trolley wires, which reduces the absolute resistance of the circuit; but the wires of the West End Street Railway Company do not enter any but their own buildings and cars, and the general public is not endangered to any great extent thereby, except from the possibility of the trolley wire converting other wires, that are not dangerous in themselves, into a very great source of danger when accidentally brought in contact with them. Within the prescribed district this danger is being gradually reduced by the removal of the harmless low tension wires from the streets, but outside this district this danger will continue to exist.

When the underground work is completed within the prescribed district, two things will have been accomplished, viz., the wires of all classes (except the trolley) will no longer prove a hindrance and a source of terror to the fire department in the performance of its duty, and the possibility of contact between the trolley and other wires, with the damaging results that must follow, will be removed.

That perfect insulation of outside conductors that is so much desired, in order to reduce the dangers ever present in the distribution of electrical energy, and to reduce the strain on interior conductors, cannot be attained while a large por-

tion of the conductors are permitted to remain overhead, either within or outside the prescribed district.

The fact that but twenty-two of the fires that have occurred in the interior of buildings during the year 1896 have been due to electricity, and that not one of them was in a building, the wires, etc., of which had been inspected and approved by this department, shows conclusively that the men have performed their allotted tasks in the most faithful manner.

The above-named results prove conclusively the great value of the inspections to property owners, architects, contractors, and the public, and prompt those who intend to have electric wires and fixtures installed, to give ample notice to this department of such intention in order that it may extend its supervision over the same; this cannot be done after the wires have been concealed from view between floors, ceilings and partitions.

There are miles of wire concealed from view in this way that were installed before the creation of this department, the insulation and method of installing of which would not have received its approval, and the inroads of time on such installations will gradually cause it to become an element of danger; for this reason fires due to the transmission of electricity must be expected in the future, which this department is powerless to prevent; but, so far as the work done since its creation is concerned, I hope to continue the good record of the past year.

The overhead division deals exclusively, as its name implies, with all classes of overhead electrical conductors, whether they are supported on poles in the street, fixtures on the roofs, or walls of buildings; they must see that all wires are suitably tagged with the owner's name; that they are firmly secured to proper insulating supports; that the proper distance is maintained between wires, and that proper safety devices are placed in all low tension circuits that do not carry dangerous currents, but might do so were they to come in contact with those wires that do. These necessary safeguards are designed to prevent a repetition of the disastrous fire which occurred on Thanksgiving day, 1889, resulting in the destruction of several buildings, and the loss of several human lives.

The duties of the "dead" wire division are identical with those of the overhead division, but they also take down and remove all "dead" wires; these consist of such as have been abandoned by the owners, because they have no further use for them, and are not worth the cost of removal; also wires

that have not been tagged with the owners' name, and when such ownership is unknown, and those that have been run contrary to law and the requirements of the Wire Department. The employees of this division, together with those of the interior division, respond to all alarms of fire, other than first alarms, for the purpose of assisting the Fire Department by removing all wires that are an obstruction, or are in any way dangerous.

The duties of the underground division are to examine and report the amount of trench that is opened, and the length of time such trench remains so; the amount of work completed, and report any defects therein; the amount of ducts laid, the kind and material of which they are composed, and any defects in the manner in which they are laid; the number of manholes, their location and manner of construction; the amount of cable and wire drawn into the ducts, their size, character, kind of insulation, etc. They must examine all underground service connections, and report all accidents to underground conductors due to failure of the insulation causing "burn-outs" or explosions of gas in the manholes or ducts.

Up to the present time the electric companies have not found it necessary to take any action to prevent the presence of gas in the electrical subways. It seems to me that this duty devolves on the gas companies.

Why should the gas companies permit their product to escape from their distribution pipes and allow it to enter into these subways, thus converting them into a source of danger to men entering the manholes, people passing through the streets, and endangering the lives and property of the occupants of buildings?

It is clear to me that these companies should confine their product within their distribution pipes until it reaches their customers; they should exercise the same control over their systems of distribution as the electric companies are obliged to do with theirs.

I do not approve of the plan adopted in New York of forcing air into the subways at a sufficient pressure to keep the illuminating gas out, as it is attended with some danger, for a slight increase in this pressure would tend to force the gas into the buildings along the line of the electrical subways. In certain sections of the city it is necessary to clear the manholes of gas by forcing air into them before it is safe for men to enter; what might occur in these portions of the electric subways in case of a failure of the insulation that would establish an arc, can only be surmised; but that it

would expose persons, horses, teams, street cars, and the people in them to more or less danger there is no doubt. The leakage of gas from the pipes into the soil, electrical subways and manholes, should be stopped at these points by the gas companies, because that is the only true and safe remedy.

There have been two explosions of gas in manholes, one in the basement of a building, the other where gas escaped into the ducts, and then found its way into the service pipe to an arc lamp for street lighting, when it was ignited by the flame.

WORK OF THE INTERIOR DIVISION.—INSPECTION OF INTERIOR WIRING OF BUILDINGS.

Notices of new work received	4,383
Number of large area buildings (wiring completely examined)	395
Incandescent lights examined	118,679
Arc lights examined	2,835
Motors examined	908
Total horse power of motors examined	3,247
Defects reported	9,505
Defects corrected	8,737

But very few buildings are now erected in which electric light conductors are not installed while they are in process of construction. As these conductors are placed between walls and ceilings, they must be examined before they are concealed from view in order to determine their condition, and prevent those who are so inclined from doing this class of work in such a manner as to endanger buildings and contents, and possibly the lives of the occupants.

The inspection of this class of work, and the old wiring of theatres, public halls and large area buildings, where great numbers of people assemble or are employed, has been and is now about all the small force employed in the interior division could accomplish.

Special attention must be, and has been, given to what is known as "temporary wiring" for electrical effects in theatres, and on the outside of buildings.

There is no class of electrical work that demands more careful attention than this; the short time that most of it is to be in use seems to be a sufficient reason for installing it in the worst possible manner, regardless of the consequences. When this is done in theatres, or other places of amusement,

it is not only inexcusable, but it is criminal; yet it requires the most watchful care on the part of this division of the department to prevent it and the fearful consequences that would be sure to follow a wild stampede from a crowded hall, theatre, or some of our large retail stores.

The men in this branch respond to all fires for which two or more alarms are given, in order to render such assistance to the Fire Department as they alone can give, owing to their practical experience in dealing with the transmission of electrical energy in the interior of buildings.

All fires and accidents caused, or supposed to be caused, by electricity, have been carefully investigated.

The total number due to electrical causes is 85, and they are classed as follows:

Fires on outside of buildings	12
Fires in the interior of buildings	22
Fires on roofs of buildings	2
Fires on poles	3
Fires on trees	3
Bridge fires	2
Burn-outs	2
Deaths	3
Injuries	13
Manhole explosions	2
Miscellaneous	21
Total	85

As results of the accidents three men were killed, seven received severe shocks, burns, or other severe injuries, and four were slightly injured.

Of the fires in the interior of buildings, two were caused by abnormal currents entering over low potential wires, designed to carry harmless currents, due to their being crossed on the outside by high potential wires used for the transmission of electric light or power current; nine were due to defective or unsuitable appliances, and the balance, eleven in number, were due to miscellaneous causes of an electrical nature. None were caused by wires or appliances that had been approved by the Wire Department.

A detailed account of the fires and accidents is here submitted.

FIRES.

February 7 .City Hall. Cause, "grounding" of a 2,000-volt alternating circuit of the Boston Electric Light Company on outside wall of the building. Wall block slightly burned, otherwise no damage.

February 3. Pole fire, Commonwealth avenue, opposite Babcock street, Brighton. Cause, "grounded" high potential wire of the Brookline Gas Company. Still alarm.

February 10. No. 15 Winter street. Cause, a 16 c. p. incandescent lamp was left in contact with a fur-lined shoe in show window. The current was switched on to the circuit feeding this lamp at 4.45 P. M., and the shoe was found on fire one-half hour later.

February 10. Copley Hall, Clarendon street. Cause, short circuit of electric light wires. Alarm from box No. 89.

February 17. Amory street, West End Street Railway Company car house. Caused by a car passing through doorway, tearing one of the metal covered doors from its hinges, and bringing it in contact with trolley wire. Arcs resulting from same ignited woodwork and fused metal covering of door. Alarm from box No. 564.

March 18. Corner South and Beach streets, roof fire. Cause, cross between a high and a low potential wire, the low potential wire being "grounded" on metal covering of roof. Current fused a hole in metal covering and ignited wood underneath. Engine No. 7 called on still alarm.

March 18. Rear of Nos. 45 and 47 Lincoln street. Cause, cross between high and low potential wires. Insulation on wires ignited, and shutters of building burned in several places. Engine No. 7 called on still alarm.

March 18. Thompson square, Charlestown, electric car fire. Cause, motor brush lead wire "grounded" on motor frame. Hook and Ladder No. 9 called on still alarm.

March 19. Corner Harrison avenue and Way street, fire at street lamp. Caused by escaping gas passing up through lamp post and being ignited when it came in contact with arc light.

March 29. No. 10 Columbia street. Cause, "grounding" of a primary alternating circuit of the Boston Electric Light Company on lead sheath of cable. "Grounding" was caused by rain storm affecting the taped joint where underground cable (from terminal pipe at this place) and overhead service wire were joined together. Alarm from box No. 52.

May 8. No. 186 Commonwealth avenue. Caused by "grounding" of electric light wires on gas pipe. Hole was melted in gas pipe, and escaping gas was ignited, setting fire to surrounding woodwork. Alarm from box No. 92.

May 12. No. 1156 Washington street. Cause, opening of an arc circuit of the Suburban Light and Power Company at a hand switch on an unused wood hanger-board. Hanger-board destroyed, and ceiling in vicinity scorched and smoked. Still alarm.

May 13. Lenox street car house of the West End Street Railway Company. Cause, above the end of a track, upon which a car was being run back, was an iron "I" beam, supporting a metal movable fall and tackle. This "I" beam was insulated from the ground. The car was run back a little further than it should have been, with the result that the trolley arm, while in electrical connection with the trolley wire, struck against the end of the "I" beam, the chain dangling from the falls striking against the bunter and dasher of the car at the same time, thereby short circuiting the current of the trolley wire. Damage slight. Alarm from box No. 83.

May 28. Union square, Brighton. West End Street Railway Company feeder pole. Cause, high potential wire of the Brookline Gas Company "grounded" on pole. Damage slight. Fire Department notified on still alarm.

June 2. No. 547 Washington street. Cause, celluloid photographic film of a moving picture apparatus came in contact with the arc of a lamp and was ignited thereby. Damage confined to film.

June 16. Corner of Boylston and Washington streets. Cause, "grounded" high potential wire, arc ignited insulation of the same. Damage slight.

June 19. Tree fire on Shawmut avenue, near corner of West Brookline street. Caused by a feed wire of the West End Street Railway Company becoming detached from a tree insulator and "grounding" on tree.

June 21. No. 82 Tremont street. Cause, short circuit on an automatic rheostat. Damage slight.

July 6. No. 74 Devonshire street. Cause, cross between high and low potential wires. Loss small. Alarm from box No. 36.

July 15. Broadway Extension bridge. Cause, owing to a fire in the neighborhood a number of West End Street Railway cars were stalled on the bridge. By some means one of the trolleys became displaced, and while the trolley arm was in contact with the trolley wire contact was also made with the "grounded" ironwork of the bridge. As results, trolley wire burned off and fell to the street; a section of three-inch wrought iron pipe, with feed wire in same, both of which belonged to the West End Street Railway Company, were burned; a hole some two inches in diameter in a similar pipe belonging to the Boston Electric Light Company, and also lead sheath of cable contained in same were melted, and a number of small fires were started beneath the bridge.

July 15. Corner Essex street and Oxford place. Burning out of a converter on outside wall of building. Alarm from box No. 54.

July 19. East Sixth street, near P street. Top of electric car ignited by a trolley wire falling upon it. Damage slight. Alarm from box No. 159.

July 24. No. 251 Atlantic avenue. On outside wall of building. Cause, "grounding" of an arc light circuit of the Boston Electric Light Company during a heavy rain storm. Engines Nos. 25 and 44 and Hook and Ladder No. 8 called on a still alarm.

July 29. No. 28 State street. Cause, cross between high and low potential wires. Alarm from box No. 36.

August 3. No. 547 Washington street. Cause, a plush drop-curtain was set on fire by heat from 32 c. p. incandescent lamps in the third border, the fringe, or other portion of the drop-curtain, being in direct contact with the lamps at the time. Other scenery on the stage was ignited by the burning drop-curtain.

August 13. No. 127 Tremont street. Cause, a short circuit in a series Watt meter, due to water which leaked down from the floor above. Alarm from box No. 42.

August 13. Corner Warren and Dale streets, tree fire. Cause, high potential wire of the Boston Electric Light Company in contact with and "grounded" on tree. Still alarm.

September 2. No. 440 Washington street. Cause, 16 c. p. incandescent lamps in contact with plush drapery of the frame of an oil painting. Damage slight.

September 11. Corner of Beacon and Walnut streets. Cause, short circuit on an arc light hanger board belonging to the Boston Electric Light Company. Chemical No. 11 called on a still alarm.

September 11. Corner Saratoga and Marion streets, tree fire. Cause, high potential wire of the Boston Electric Light Company became detached from an insulator and "grounded" on the tree.

September 12. No. 109 State street, fire in cable box on roof. Cause, cross between high and low potential wires.

September 30. No. 192 Kneeland street, fire on outside wall. Cause, trouble occurred a few feet from where lead sheathed cable left standpipe, and was due to rain water lodging in a defect in sheath, ultimately "grounding" circuit on same. Alarm from box No. 56.

September 30. Voting-booth, Lynde street, corner of Cambridge street. Cause, defective cut-out. No damage, except to cut-out. Chemical No. 1 called on still alarm.

• October 3. Washington, corner Williams streets. Cause, rheostat coils were left in circuit with the armature of an elevator motor while motor was not running. This condition of affairs was due to the imperfect action of a pole-changing switch, which, by its defective working, cut the field coils of motor and also the solenoid coil operating arm of rheostat out of circuit, but at the same time closing the armature circuit. Chemical No. 10 called on a still alarm.

October 13. No. 159 Court street. Cause, loose connection on hanger board of an arc lamp.

October 19. Harvard bridge. Cause, "grounded" high potential circuit of the Boston Electric Light Company. Some fifteen or twenty feet of bridge timbers badly scorched. Engine No. 33 and Hook and Ladder No. 15 called on still alarm.

November 26. Electric car No. 267 of the Dorchester line, West End Street Railway Company. Cause, defective rheostat. Engine No. 26 called on a still alarm.

November 27. Corner Tremont and Common streets, slight fire on roof of subway, as a result of short circuit or burn-out in an Edison underground feeder at this point. Alarm from box No. 61.

November 28. No. 81 Kneeland street. Cause, an arc lamp belonging to the Edison Electric Illuminating Company was hung from a metal hook screwed into the floor above the lamp. This lamp did not feed properly, and a short arc was established, as a result of which the resistance coils at the top of the lamp became overheated, and sufficient heat was imparted to suspension hook to ignite the floor-boards into which the hook was screwed. Hook and Ladder No. 17 called on a still alarm.

November 30. Corner Court and Stoddard streets, painters' staging, hanging on the front of the building, was slightly burned as a result of being in contact with two primary wires of an alternating circuit belonging to the Boston Electric Light Company. Engine No. 4 called on a still alarm.

November 30. No. 54 Oliver street. Cause, burn-out in an Edison underground service. Members of Fire Department called on a still alarm.

December 2. No. 11 Haverhill street. Cause, short circuit at the commutator of a 500-volt motor; oil, lint, etc., on motor was ignited by the flash, otherwise fire did no damage. Alarm from box No. 12.

December 4. No. 447 Harrison avenue. Cause, short circuit on a 500-volt jack-knife switch. Engine No. 3 called on a still alarm.

December 4. Corner Roxbury street and Shawmut avenue, burning of insulation of feed wire, caused by a trolley wire dropping on Centre street, corner Highland avenue. Alarm from box No. 239.

All but two of the above group were the cause of fires. The limit to the damage the latter might cause cannot be estimated.

December 8. Washington and Kneeland streets, electric car fire, caused by a defective rheostat. Members of Hook and Ladder No. 17 called on a still alarm.

December 9. No. 1 Portland street, fire on outside wall of building, caused by a "grounded" high potential wire belonging to the Boston Electric Light Company.

December 10. No. 501 Washington street. Cause, short circuit on a temporary electric sign on front of building. No loss.

December 22. Tremont street, near Temple place, fire in electric car No. 1411, West End Street Railway Company. Cause, defective controller. Engine No. 26 called on a still alarm.

December 23. No. 33 Lancaster street. Cause, a short circuit occurred in a pendant socket, and the flash from same ignited lint. Fire Department called on a still alarm.

December 26. No. 105 Arch street. Cause, motor rheostat left in circuit became overheated, and ignited woodwork back of it. Fire Department called on a still alarm.

January 12, 1897. No. 970 Washington street. Cause, lint, oil, etc., ignited by flashing at the commutator brushes of a 500-volt motor. Alarm from box No. 64.

January 28, 1897. Corner Tremont and West streets, electric car fire. Cause, defective motor. Engine No. 26 called on a still alarm.

January 30, 1897. Cornhill, electric car fire. Cause, defective motor. Chemical No. 1 called on a still alarm.

ACCIDENTS.

February 1. Opposite No. 179 Eliot street. Explosion in a man-hole belonging to the Boston Electric Light Company, due to an accumulation of gas being ignited by an electric spark.

February 8. Mr. Charles A. Witt, an employee of the West End Street Railway Company, while working on a "live" machine wire, running from switchboard to bus-bar, was badly burned about his hand and wrist, face, right side of scalp, right shoulder, and front of neck and chest. Cause, immediately above wire upon which Mr. Witt was working was an iron beam, cased or covered with ashwood about one-half inch in thickness. On the under side of this casing was a crack in the wood in which was probably rust or other metallic substance.

The ends of the pliers with which Mr. Witt was working came in contact with this crack, and a short circuit occurred.

A hole was burned through wood casing and into beam; pliers were practically destroyed, and Mr. Witt received injuries as noted above.

February 19. No. 84 Hawley street. Wall and shelving in front portion of the basement charged with a current of electricity. Cause, portion of basement where disturbance occurred was excessively damp, and a porcelain cut-out at underground service entrance became so affected by moisture that a current leaked across and through the same to damp wall and shelving in vicinity.

February 29. Mr. John Michaels, an employee of the Boston Electric Light Company, while at work on 2,000-volt alternating service wires in the basement of the First Church of Christ, Falmouth street, received a severe shock, and had both hands badly burned. This man while he had hold of a bare coupling on the end of one service wire with his left hand and was about to remove the coup-

ling for the purpose of connecting wire to cut-out, thoughtlessly took hold of the lead sheath of cable with his right hand for the purpose of steadying himself, thereby placing himself in circuit between the wire and the ground. Mr. Michaels was pulled away from the wire by a fellow-workman, Mr. Fred Johnson, who, while doing so, received a severe shock and also a slight burn on one finger.

March 2. Mr. Patrick Sullivan, while assisting to remove a guy wire at the corner of Green street and Woods square, Jamaica Plain, received a shock of electricity that knocked him down. Current of electricity was derived from a primary alternating circuit of the Suburban Light and Power Company, with which the guy wire came in contact.

March 6. Mr. A. A. Roberts, teamster, was knocked down from his wagon while opposite No. 175 South street, city proper, by a trolley wire dropping upon him. Injuries consisted of bruises and cuts.

March 20. No. 71 Pearl street. Explosion of gas, the force of which was sufficient to blow the cover off the coalhole in sidewalk, force the sheathed partition (which separated the space beneath the sidewalk from the rest of the basement) out about six inches, and knock the plastering off the ceiling of the basement in two places. Cause, burn-out in a set of Edison underground feeders at a point directly in front of and close to basement wall of this building, may have ignited the gas that probably reached this space under the sidewalk from the gas pipes in the street. As the paving was new, and the joints thereof gas tight, a leak in the pipe from which this gas probably came might have been several blocks distant from the scene of the explosion.

March 27. Explosion in New England Telephone & Telegraph Company's manhole at the corner of Harrison avenue and Florence street. The heavy outside cover of the manhole and the inner cover of the same were blown into the air, the latter being broken in fragments, one of which was found on the second floor of No. 361 Harrison avenue, it having fallen through the skylight of this building. Window panes of the adjacent houses were shattered. Iron casing of manhole was raised and paving stones loosened. Hood and hood-frame of electric light pole at this corner were also damaged by flying pieces of the manhole cover. Accumulation of gas was due to a broken three-inch gas main in Harrison avenue; cause of igniting of gas undetermined.

May. Electrician Neilson of the Boston "Post" had three fingers of the left hand badly burned by a short circuit on a switch which he was operating at the time.

May 22. Mr. C. A. Geiman, a lamp trimmer in the employ of the Boston Electric Light Company, while at work on street lamp pole, corner of Elm Hill avenue and Seaver street, received a shock of electricity and fell to the ground. Beyond a slight burn on one finger, numerous bruises and a severe shaking-up, he was not injured. At the time Mr. Geiman received the shock he was removing straw, etc., from the top of the hanger-board of the lamp and his hand came in contact with the bare metal on the hanger-board. The circuit of which this lamp was a portion was supposed to be "dead" during the daytime, and the current of electricity from which Mr. Geiman received the shock was due to a cross between this circuit and a primary alternating circuit of the Suburban Light & Power Company.

May 24. Mr. Owen Flanagan, an employee of the Boston Electric Light Company, while at work in a manhole on Hawley street, near Franklin street, was severely shocked and had one hand badly burned by a current of electricity. Cause, entering handhole, where Mr. Flanagan was working, were two cables of an arc circuit and two cables of a primary alternating circuit.

Cables were tested out to ascertain which was which, and marked. Mr. Flanagan then connected up the cables at the handhole, the joints of the cable marked as alternating being completed and taped. The man at the other end of the cables, in the manhole corner of Franklin and Hawley streets, connected up the cables of the alternating circuit, but did not connect up the cables of the arc circuit. Word was then sent to the station for current to be turned on to the alternating circuit. Upon this being done, Mr. Flanagan, who was at work on one of the wires marked as an arc wire, received the shock and burns.

Upon investigation later it was found that the wires at the handhole were marked wrong; that is, an arc cable had been marked and connected up as an alternating cable, and an alternating cable had been marked and connected up as an arc cable; it was the latter from contact with which Mr. Flanagan received his injuries.

June 2. Mr. James E. Vehey, an employee of the Boston Electric Light Company, while making connections on a circuit of primary alternating wires on the roof of Nos. 24 and 26 Friend street, accidentally touched bare joints on each wire, receiving a shock therefrom, sufficient to throw him from the stepladder, on which he was working, to the roof eight or nine feet below. A scalp wound of a trivial nature and a slight burn between the forefinger and the thumb of the left hand were the extent of his injuries.

June 4. Mr. John Long, while crossing Cambridge street, near the corner of Temple street, was struck on the right cheek by a falling trolley wire of the West End Street Railway Company. He was thrown to the ground, and was severely shocked, and received a burn on the side of the face some five inches in length.

June 25. George Woods, a 13-year-old boy, climbed up a street electric lamp pole at the corner of Stillman and North Margin streets, and, with one hand in contact with the iron pipe upon which he was climbing, took hold of the base of the lamp with the other, receiving a shock that caused him to fall to the sidewalk, breaking his collar bone and fracturing his skull. The fingers of the boy were also severely burned.

July 9. Broadway Extension bridge. Attached to a framework on top of the drawbridge was an arc lamp, arranged to remain stationary while the draw was being turned on or off. The wires feeding this lamp were depended upon to hold the lamp stationary while draw was being operated. At the time of the trouble, the drawbridge was being opened, and, owing to some defect in the mechanism connected with the method in which the lamp was installed, the lamp revolved with the draw; the wires feeding the lamp became detached thereby, and dropped across the trolley wires of the West End Street Railway Company.

July 13. Warren bridge, Charlestown. Trolley arm of a passing car jumped from the trolley wire and caught on the wires of the Boston Electric Light Company, as a result of which a hood and an arc lamp belonging to this company were pulled from a street lamp pole, striking against the car in their fall.

July 14. No. 225 Tremont street. Wall in basement charged with electricity. Cause, deterioration of insulation of electric light service wires, due to excessive dampness.

July 15. While a West End Street Railway car was standing on the Broadway bridge, which spans the tracks of the Boston & Albany Railroad, the conductor, while changing the position of the trolley arm, brought it in contact with the iron work of the bridge; this caused an abnormal flow of current through the feeders, which run through iron ducts under the roadway of the bridge, it being sufficient to melt the lead covering of the insulation, conductors and iron ducts; it also set the woodwork of the bridge on fire.

July 16. The trolley wire being unusually slack, a car to which was attached a trolley arm that was provided with an unusually stiff spring passed over the Broadway bridge, the arm bringing the trolley wire against the iron work of the bridge with results similar to those which occurred on the night of the 15th inst., except that the bridge was not set on fire. This car was filled with people at the time who were badly frightened by the vivid flashes, but fortunately but few were injured in the mad rush from the car, and none seriously.

July 21. At a fire for which an alarm from box No. 159 was given, the heat was so intense that several wires in front of the place on fire were burnt off, resulting in the crossing of wires of the fire alarm and police signal service departments with the high potential wires of the Boston Electric Light Company, as a result of which one of the police signal boxes and several fire alarm boxes were burnt out.

September 15. Mr. William Holl, an employee of the West End Street Railway Company, while at work erecting a wooden guard for a trolley on the Broadway Extension bridge, came in contact with a "live" trolley wire and with iron suspension rods of the trolley guard, thereby receiving a shock which caused him to fall head-foremost to the ground. Mr. Holl's skull was fractured, as a result of which he died the following day.

September 19. Chelsea bridge. Trolley wire fell from draw-bridge to Medford street.

September 25. Mr. L. M. Beach, a subway employee, attempted to remove alternating primary wires from a cut-out box on Tremont street, opposite Winter, under the impression that said wires were "dead," and in doing so the bare end of one of them came in contact with the ball of his left thumb as a result of which he received a shock sufficient to throw him to the ground, besides burning his thumb badly.

September 26. Mr. James H. Hughes lost his life by coming in contact with a high potential wire, while attempting to either enter or leave Music Hall at about 3 A.M., by means of a fire escape, etc., on that portion of Music Hall fronting on passageway entering between Nos. 38 and 40 Bromfield street. The fire-escape terminated on the metal-covered roof of the Bromfield-street entrance, about 15.6 feet above the ground. Along the front of this roof, set back about one foot from the edge of the same, was an iron fence 3.8 feet high. In the corner made by this entrance to Music Hall, and by the wall of the building numbered 40 Bromfield street, was located a terminal or standpipe of the Boston Electric Light Company, from which two circuits, one an arc and the other an alternating circuit, came from underground. It was the alternating circuit with which Mr. Hughes came in contact, and from which he



A burned-out starting-box.

Effects of electrolysis.

received the shock that caused his death. The standpipe referred to terminated about 12.6 feet from the ground, and about 6 feet above the end of the pipe was located a cut-out. About 8 feet above the cut-out were splices in each pole or wire of the circuit, the same being made with screw couplings and afterwards taped. It was evident that Mr. Hughes, while in electrical connection with the ground by means of the metal roof, iron fence, etc., grasped with his right hand the coupling on the left, or nearest wire, to Music Hall building, to assist himself in getting either up or down, as the case may have been. That part of the tape on the side of the joint with which the palm of Mr. Hughes' hand came in contact, was burned off, and flesh and blood on the edges of the tape and on the coupling showed plainly where the contact was made.

September 29. Boylston street, near Tremont street. A set of Edison underground mains broke apart, owing to a cave-in of earth at point where break occurred.

September 30. Mr. Wallace Campbell, a lamp-trimmer in the employ of the Boston Electric Light Company, was killed while ascending an iron lamp pole, on which was supported an arc lamp used for street lighting. This pole stood at the junction of Hancock street and Cushing avenue, Uphams Corner. His death was due to a fracture of the skull, caused by striking his head against the curbstone when he fell from the pole. As the circuit which included this lamp was not in use at the time of the accident, it was at first a matter of doubt as to what caused him to fall to the ground. As soon as possible an investigation was made by this department of the condition of the circuit, and about 300 feet from where this accident occurred it was found to be in electrical contact with an alternating circuit, owned by the Suburban Light and Power Company, in which is maintained an electro-motive force of two thousand (2,000) volts. As it was raining hard at the time of the accident, and for some hours previous thereto, this circuit must have been badly "grounded"; the iron lamp pole furnished another "ground," thus establishing a path for the current between the two circuits, through the ground and this man's body. The shock received by him caused the loss of all self-control, and as a result he fell to the ground and received an injury that resulted in death; the indirect cause of which was a "cross" between a "live" and a "dead" circuit and the existence of an iron lamp pole in the latter.

September 24. No. 122 Milk street. A hole was corroded in a nipple at a gas pipe outlet, allowing the gas to escape, and the wall surrounding the outlet was discolored with a spray-like pattern, due to metallic deposits. Cause, attached to a nipple was a combination bracket, one of the wires in which was "grounded" on the same. As a result of the "grounded" condition of bracket, and other existing circumstances, a current flow of electricity was established from bracket to nipple, thence to damp wall, which was "grounded." Where the current left the nipple an electrolytic action was set up, resulting in corrosion of nipple and metallic deposits on the wall.

October 22. Mr. John West, a lamp repairer, in the employ of the Boston Electric Light Company, while at work on a lamp suspended from a crane at No. 567 Washington street, received a shock of electricity, causing him to fall from the step-ladder upon which he was standing, and as a result of the fall he was somewhat bruised and shaken up. The accident occurred as follows: Mr. West had removed the face-plate covering the mechanism of the lamp, and

while working on a "live" portion of the latter, with a screw-driver, one of his fingers being in contact with the blade of the same at the time, he inadvertently allowed the back of his hand to strike the lead sheath of a cable that ran up beneath the hood of the lamp, thereby "grounding" the circuit through the screwdriver, his hand and lead sheath of cable.

November 6. Mr. Charles Gordon, an employee of Merritt & Jarvis, masons, while on the roof of the building No. 61 Court street, received a severe shock of electricity, as a result of which two of his fingers were badly burned, and he was rendered unconscious for about three-quarters of an hour. The circumstances were as follows: While assisting to hoist staging material over the south side of building, Mr. Gordon lost his balance and reached for the upright nearby, which supported wires of the Boston Electric Light Company. Instead of putting his hand on the wood, he caught hold of one of the wires. His predicament was seen by his associates, who after repeated attempts succeeded in pulling him away from the wire.

November 28. Street electric lamp pole at the corner of South Market street and Quincy row broken. Caused by the top of a passing team swaying and striking against the pole.

November 30. No. 141 Charles street. Building charged and wires arcing on roof. Cause, a wire of an arc circuit belonging to the Boston Electric Light Company slipped a tie wire at a fixture at No. 86 West Cedar street, as a result of which it came in contact with the zinc ridge-piece of building No. 141 Charles street, thereby charging it.

January 3, 1897. Tremont street, near Hollis street. Street railway trolley wire was broken by subway workmen while erecting a derrick, causing it to fall to the street, and creating considerable excitement.

January 5, 1897. No. 22 Brighton street. High potential wire came in contact with a fire-escape, the result being that the entire block from Nos. 16 to 25 Brighton street was charged with a current of electricity. Cause of trouble removed by this department.

OVERHEAD ELECTRICAL CONSTRUCTION.

While there has been a very perceptible improvement in the overhead construction of most of the companies owning and maintaining overhead electric wires, poles and fixtures, yet there are those who, despite the constant efforts of the overhead wire division, continue to erect wires in the most haphazard and slipshod manner, neglecting all well-known precautions to be taken against possible dangers, and never complying with the reasonable provisions of the statute law, or the requirements of this department; repeated warnings go unheeded, and defective work is seldom remedied by them until coercive measures are resorted to.

Many of the owners of the low tension overhead wires have adopted the so-called "wall construction," whereby a large number of them are bunched together, and securely fastened to the walls under the windows, where they offer little or no obstruction to the Fire Department, are less liable to be

crossed with dangerous wires, and relieve the roofs of unsightly fixtures.

In the enforcement of the law requiring tags denoting the ownership of wires to be attached thereto near their supports, much inconvenience is experienced by the inspectors by often finding a line bearing the tag of more than one company, and, in a few instances, they have found three or four different names on one line; in such cases a great deal of time is necessarily consumed to fully determine the lawful owner of the same.

Where the inspectors are in doubt as to the ownership of a wire, it is charged to the company or individual owning the fixture to which it was attached.

Of the total number of defects reported to the companies, on re-examination a fair percentage has been found corrected, either by repairs or the removal of the wire entirely.

A great deal of attention has been given to the matter of fusing low tension wires. A systematic and thorough inspection has been made of all lines entering buildings to determine if they were properly fused. This has been in the 1896 district a slow and tedious undertaking, owing to the large number of wires, and the way and manner in which they are run.

Of the total number of inspections of this character made (3,927), it was found that a large percentage of the lines were not fused at all, or, if so, were not fused at the proper point; of such defects the interested parties have been promptly notified, and, with some few exceptions, early corrections have been made.

Perhaps a better idea can be had of the difficulty under which the inspectors have to work by referring to views which are submitted, showing the condition of some of the interior and overhead work which was discovered by the inspectors while in the discharge of their duties.

In regard to the estimate of overhead wires in the 1896 district, while some companies may be charged with more, and others with less than they really control, the figures are as near as can be determined.

At the beginning of the year there were standing in the 1896 district, exclusive of the West End Street Railway Company's poles (385 in number), used for the support of trolley and span wires, 182 poles, belonging to the Boston Electric Light Company, New England Telephone and Telegraph Company, Boston Fire Alarm and Western Union Telegraph Company. Of this number 138 have been removed as follows: Commercial street, 44; India street,

8; Atlantic avenue, 39; Broad street, 5; Central street, 7; Richmond street, 7; Hanover street, 17; State street, 3; Cross street, 4; and Franklin street, 4.

The trunk line wires on housetops, so far as practicable, are being removed by their owners as soon as underground connections are made. Of course a large percentage yet remains to be taken down. All the companies are making as rapid progress in this direction as can be expected, when the large number of wires is considered, and the time required to make the necessary changes.

Overhead wires have been removed during the year as follows: J. B. Meade & Co., L. G. Burnham, Coburn Stationery Company, Literary Bureau, Felton & Son, Baldwin Bros., C. E. Cotting, American Glue Company, D. C. Washburn, Boston City Press, Marston & Co., Norfolk Oyster Company, Employers' Liability Association, and J. A. Stubb.

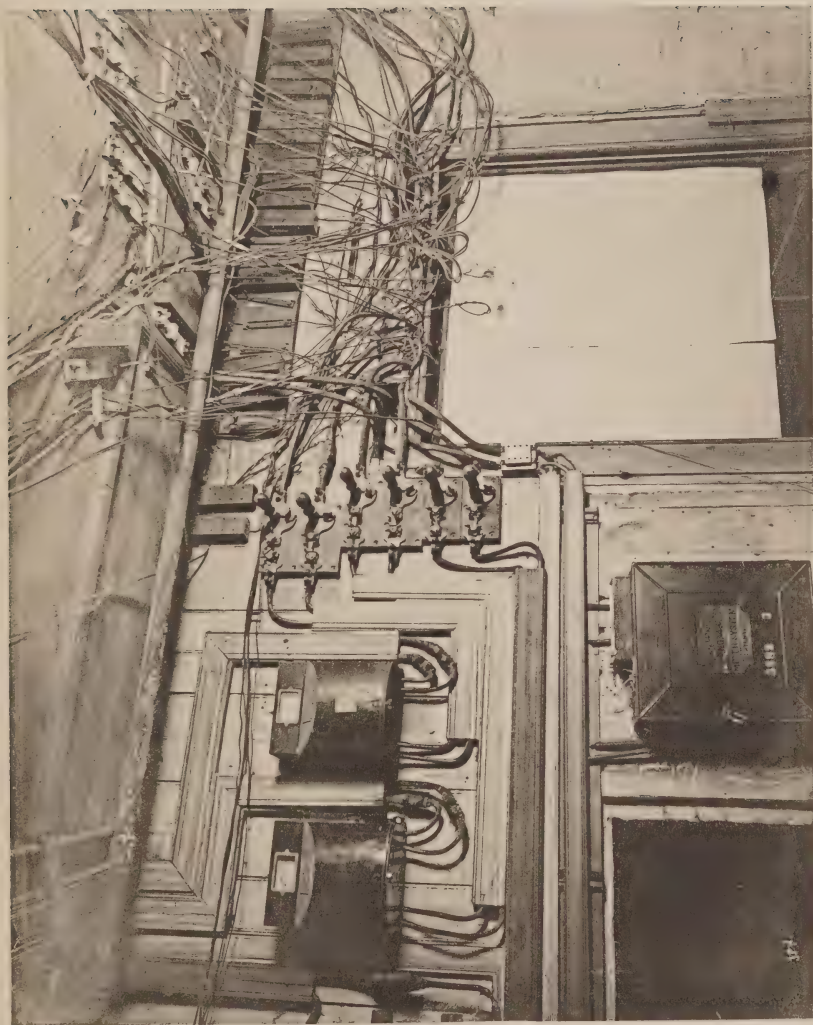
The above is in addition to the wires removed by the larger companies.

Messrs. Mixer Bros. have united with the low tension association during the past year. This firm has the care and control of most of the stock brokers' lines, about 75 in number. They are arranging to care for this business in connection with the underground service in which they are interested. Most of the private lines in this district have already been assigned to the care of some company connected with the low tension association.

The prescribed district for 1896 has been laid out in blocks, and said blocks numbered, the wires and fixtures inspected, fixtures numbered and stamped "Wire Department," and from this inspection maps are made by the map and draughting department, showing the location of each fixture on the blocks, as well as the number of wires, the direction in which they run, and the owners thereof, and from the same source is a record in tabulated form kept of all wires and fixtures inspected, the number, location, condition, and owners of same, as well as the kind of roof to which the fixtures are attached; this map also shows location of poles and wires as well as the location of all electric lights for street illumination.

As accurately as can be estimated the total amount of overhead wires in this section of the city was 13,810,170 feet, of this amount, no doubt, nearly one half (6,905,085 feet) was "dead" or abandoned wire.

The fixtures inspected and numbered in this district amount to 1,570. These fixtures carry arms to the number of 2,377.



A very bad tangle, with great possibilities of serious results.

The dead-wire division has removed during the year 1,995,350 feet of wire; of this amount 1,142,850 feet was taken from the 1896 district; the remainder is being removed by the owners and this department; 325 fixtures have also been removed. The fixtures removed bore no name and were destitute of wires, and the owners were unknown.

Of the wire taken down about 50,000 feet has been retained by the department, it being good and serviceable; of the 13,810,170 feet of wire in the district, it is estimated that 1,385,000 feet is in use for lighting and power service.

The guard and span-wires over the trolley wires of the West End Street Railway Company are removed as soon as the condition of the wires crossing the streets will warrant, so that at the present time Washington street is clear of overhead-wires, except the trolley wire, as far north as Franklin street; Shawmut avenue is clear; Tremont street, as far north as Winter street, and Temple place, Boylston street, Harrison avenue, and Kneeland street are clear, while Summer and Beach streets are partially clear.

The following-named companies and individuals have asked for exemption or extension of time in which to remove their wires crossing streets:

G. W. Bell Company, O. J. Piehler, Quincy Market Cold Storage Company, Childs, Sleeper & Co., Boston Safe Deposit Company, Union Safe Deposit Vaults, Postal Telegraph Cable Company, W. Patterson, B. C. Proctor, Union Ice Company, Nash, Spaulding & Co., Old Colony Trust Company, Boston Auxiliary Fire Alarm Company, Stock Quotation Telegraph Company, and Mixer Bros. for stock brokers.

Temporary locations have been granted the low tension companies to maintain an aerial cable over the following-named streets, to accommodate the wires of the association, where their underground services have not been extended; this is for the purpose of relieving the streets of all individual wires. At the present time the cables are nearly all in position, and the work of connecting the same will commence at once:

Kingston,	Columbia,	South,
Otis,	High,	Franklin,
Oliver,	Wendell,	Mathews,
Winter,	Hamilton,	Essex,

and several of the smaller courts and places.

A large number of photographs have been taken by the map and draughting department, and here reproduced, showing the condition of both the overhead and interior construction, also showing the difference in the appearance of the streets, inside and outside of the prescribed district, as well as the difficulty the Fire Department labors under where wires are strung in front of buildings; a picture of a fixture, enveloped in steam, is also shown; at intervals on this fixture are light, power, messenger, and in fact wires of every description. It can be readily seen that the linemen at work on this fixture are liable to meet with an accident of a serious nature at any time.

On two different occasions it has been reported to this department that this fixture was on fire due to accumulation of moisture, and investigation plainly showed that the reports were correct.

There is also a photograph, showing underground terminal in rear of Music Hall, where James H. Hughes was killed on the morning of September 26 by coming in contact with wires while trying to reach the ground from the fire-escape by means of the terminal pipe.

Number of fixtures, outriggers, etc., in the district	1,570
Amount of wire on fixtures	3,773,100 feet.
Amount of wire on poles	388,300 "
Amount of wire in cables	7,273,300 "
Amount of wire dropping	494,550 "
Amount of wire in well-ways, etc	1,740,500 "
Amount of wire controlled by the West End Street Railway Co.	140,420 "
Number of fuse inspections	3,297 "
Amount of "dead" wire removed	1,995,350 "
Amount of "dead" wire retained in the possession of the department	50,050 "

Amount of wire on hand at the beginning of the year, 90,478 feet; retained during the year, 50,050 feet; of this amount 63,360 feet were sold and credited to the department, leaving on hand at present 77,168 feet.

Number of underground terminal connections inspected, 788.

Number of lamp post insulations and connections inspected, 173.

Number of poles throughout the city, exclusive of the West End Street Railway Company's poles, is 14,267; of

this number 1,478 locations have been granted by the Board of Aldermen during the year.

Number of "dead" and unknown fixtures removed by this department is 325.

Number of reports of defects sent out, 1,760.

Number of defects covered by above notices, 11,445.

The location of poles outside the prescribed district is often the cause of bitter, and sometimes well-founded complaint on the part of abutters, much of which could be avoided, if all applications for pole locations were referred to this department by the Board of Aldermen, with instructions to examine the proposed locations and report as to the conditions under which they should be granted.

Under the present arrangement it often happens that permission is granted to place two or more lines of poles in a street where one would be sufficient, and in many cases the proper distance cannot be maintained between high and low potential wires.

The following table shows the number of poles, fixtures, etc., in the 1896 district at the beginning of the year:

Companies.	Poles.	Fixtures.	Arms.	Outriggers	Wires on Poles.	Wires on Fixtures.	Wires in Cables.	Wires Dropping.	Trolley.	Span.	Feed.	Guard.	Totals.
New England Tel. & Tel. Co.	28	120	413	83	49,500	702,000	106,300	106,500	.....	.....	.....	.....	2,521,000
Boston Electric Light Co.	31	292	839	330	113,250	904,200	.....	128,500	.....	.....	.....	.....	1,146,000
Boston Electric Protective Association	.....	3	6	2	.....	113,100	247,500	7,050	.....	.....	.....	.....	367,650
Holmes Electric Protective Co.	.....	6	12	10	600	48,000	45,000	3,300	.....	.....	.....	.....	96,900
Boston Automatic Fire Alarm Co.	.....	50	112	35	.....	192,000	375,000	26,850	.....	.....	.....	.....	594,450
Mutual District Messenger Co.	.....	10	12	70	12,500	242,700	255,000	42,300	.....	.....	.....	.....	522,500
Boston District Messenger Co.	.....	13	13	73	21,800	191,700	165,000	39,300	.....	.....	.....	.....	417,800
Boston Fire Alarm.	33	49	121	40	57,600	123,900	330,000	20,700	.....	.....	.....	.....	532,200
Boston Police Signal Service.	.....	13	48	19	5,400	49,800	487,800	7,350	.....	.....	.....	.....	550,350
Church Green Elec. Light & Power Co.	.....	.....	.....	3	.....	1,200	.....	1,200	.....	.....	.....	.....	2,400
Western Union Telegraph Co.	51	67	237	33	117,650	562,800	1,380,000	39,750	.....	.....	.....	.....	2,040,200
Suburban Light and Power Co.	.....	13	37	20	.....	81,600	.....	15,450	.....	.....	.....	.....	97,050
New England Telegraph Co.	39	3	6	.....	10,000	.....	.....	.....	.....	.....	.....	.....	10,000
Postal Telegraph Cable Co.	.....	10	34	2	.....	31,200	832,500	1,800	.....	.....	.....	.....	865,500
Miscellaneous.	.....	120	434	56	.....	333,600	292,500	36,450	.....	.....	.....	.....	662,550
West End Street Railway Co.	385	.....	.....	.....	.....	.....	.....	.....	41,000	19,500	18,420	61,500	140,420
New England Postal Telegraph Co.	.....	10	38	.....	.....	191,100	1,185,000	12,000	.....	.....	.....	.....	1,388,100
United Telegram Co.	.....	6	15	9	.....	63,600	15,000	6,000	.....	.....	.....	.....	84,600
Stock Quotation Telegraph Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,740,500
Wires in Well-ways, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.	567	785	2,377	785	388,300	3,773,100	7,273,300	494,550	41,000	19,500	18,420	61,500	13,780,170



Wires and fixtures in rear of Music Hall. See description.



MAP SHOWING THE "UNDERGROUND TERRITORY" OF THE CITY OF BOSTON, THE PRESCRIBED DISTRICTS FOR 1894, 1895, 1896 AND 1897.



UNDERGROUND WORK OF 1896.

The district in which wires were placed under ground during 1896 is bounded as follows :

Commencing at the junction of Tremont and Bromfield streets, the boundary line runs through Bromfield street to Washington street, Washington street to Franklin street, Franklin street to Broad street, Broad street to the dividing line between Foster's and Rowe's wharves, thence along this line to the water front; at this point the line follows the Harbor Commissioners' line to the extension of the line of Hanover street, thence through Hanover street to Commercial street, Commercial street to Causeway street, Causeway street to Charlestown street, Charlestown street to Hanover street, Hanover street to Tremont row, Tremont row to Tremont street and Tremont street to the point of beginning at Bromfield street.

In the electrical subways constructed in this city, five different systems are employed, viz.: Sheet-iron pipe, lined with cement; plain wrought-iron pipe, coated with asphalt or tar; vitrified clay, and creosoted wood; but little of the last-named has been laid since the organization of this department; besides these is the Edison solid tube system, nearly all of which was constructed before the passage of the law, creating the Wire Department.

All but the last-named are employed in what is known as the "drawing-in-system."

The great bulk of the conduit or pipe consists of the sheet-iron cement lined pattern, made in lengths of eight feet, and are connected together with a ball-and-socket joint.

In laying this conduit the bottom of the trench is first level to the grade; planks are then set against the side of the trench to sustain it. A layer of concrete is then laid and rammed in the bottom of the trench; on this is laid a row of pipe, next a layer of concrete, then another row of pipe, and so on until the desired number of layers is attained.

In order to add to the strength of the mass, and to protect same from mechanical injury, the concrete is applied more thickly on the bottom, top and sides of the subway than between the pipes; a two-inch plank is placed over the conduits to protect them in a measure from picks and crow-bars in the hands of laborers employed in the streets. Substantially this same method is pursued in laying vitrified clay pipes.

Plain iron pipe is not as a rule laid in concrete; it is used to some extent for main ducts, but nothing else is used for

service connections; each length is twenty feet long, and they are connected together by means of screw couplings having vanishing threads. The main reasons which have led to the extensive introduction of iron piping are its strength, adaptability to varying conditions of the streets, and the rapidity with which it can be laid.

Vitrified clay ducts were used here this year for the first time; they are 18 inches long, $4\frac{1}{4}$ inches square, the corners being rounded. The joints are made by butting the ends together, and they are laid in cement after the manner of laying brick and then surrounded with concrete.

Access is to be had to the conduits of the subways by means of manholes, placed at an average distance of 250 feet along the line of ducts, each line terminating therein. They are built of brick, laid in cement with hydraulic concrete bottom. The outside walls are coated with cement to prevent water and gas from penetrating.

Access from the manholes to the street is had through cast-iron frames, which are set on the brick-work and provided with double covers. The ducts enter at a point easily accessible to the workmen while standing on the bottom of the manhole. The manholes average in size about 5 x 5 feet, and vary from 4 to 10 feet in depth.

RODDING.

The first process in drawing a cable into a duct, which is not accessible, except at its ends in the manhole, is technically termed "rodding," which consists of pushing rods through the ducts from one manhole to the next. These rods are composed of sections about four feet long, furnished with a screw at one end and a screw socket at the other; these sections are joined together in the manhole and disconnected in the next. When the rod is of sufficient length to reach the next manhole a rope is attached to the end, and drawn into the duct as the rod is withdrawn; the rope is then withdrawn to pull in the cable.

DRAWING IN THE CABLES.

After the rope has been attached to the cable the latter is drawn through the ducts. The method of applying the force, necessary to pull the cable through the duct, depends on its size, and the distance between manholes; if it is small, and say 300 feet in length, it can be drawn in by two or three men; if it be large, or, if four to six cables are to be drawn into one duct as is frequently done, more elaborate apparatus is used.

THE EDISON SOLID SYSTEM.

This system, which has been very successful for its one kind of service, namely : furnishing current of low pressure or voltage for incandescent and arc lamps, electric motors, etc., consists of heavy copper rods, wound spirally with rope, and placed in wrought-iron pipes, filled with insulating compound, composed of Trinidad asphaltum, rosin, paraffine and linseed oil. This compound is run into the pipes when heated to about 300 degrees Fahrenheit, under considerable pressure, while an exhaust is applied to the other end for the purpose of drawing out all air bubbles. The ends of the pipes are then plugged with wood, soaked in paraffine, leaving the copper rods projecting.

The method of connecting these lengths of conductors and tubing is as follows: The rods are connected by short pieces of copper cable, terminating in suitable copper sleeves, which are soldered to the ends of the rods when in position, and the bow-shaped expansion joint so formed is covered with hot compound, poured into a small cast-iron coupling box, which is bolted on to the junction. The lines terminate at the street crossings in large cast-iron boxes like manholes, where rods are joined together by heavy copper cables to a suitable connecting device near the top. Connections to buildings are made in small cast-iron junction boxes, similar to the ones before described.

METHODS OF DISTRIBUTION.

It is a comparatively easy problem to arrange an electrical subway for trunk-line circuits. The difficulty arises when the question of the distribution of current from the main conduits is to be considered.

The cables of the telephone companies are generally made up into 60 to 120 pairs of copper wires. When this number of circuits is not needed in one block, or a series of blocks, the cable is forked in the manhole, one portion of the conductor being led in a smaller cable in one direction, another portion elsewhere, as may be required.

In case of telegraph and telephone distribution, subsidiary pipes or ducts are generally laid from adjacent manholes to the front or side of buildings whence the cables are continued to the roofs of the buildings or poles in the streets, from which latter points the circuits are radiated as required.

For many good reasons this method is objectionable.

The method of wall distribution adopted by the companies owning and operating low tension wires removes some of the objections thereto; but this method cannot be adopted by those who own and operate high tension wires. If the insulation of low tension wires fails they do not become a source of danger; not so with the high tension wires, however, and all known grades of insulation are sure to fail when exposed to the atmosphere with its constant variations.

The subsidiary service pipes are often so placed that the cables can be reached by the occupants of buildings and others, and many times the rain from the eave-spouts and gutters pours down on them, freezing in the winter time, and often enclosing them in a solid mass of ice.

These services should, as far as possible, enter the cellars and basements of the buildings to be supplied with current; but as a matter of fact there is but one company that adopts this plan exclusively.

ELECTRIC LIGHT CABLES IN SUBWAYS.

It is around these that the greatest interest centres from the time they are first placed under ground until they are actually there and in operation. At first some of the ablest electrical engineers doubted the ability of the manufacturers to produce an insulation to withstand the great strain on a circuit on which was placed from 60 to 125 arc lamps, involving a pressure of from 3,000 to 6,250 volts, but the manufacturers of insulated underground cables have proved themselves equal to the task of making cables capable of withstanding this great strain.

CABLES EMPLOYED IN THE SUBWAYS.

For telephone service the cable used is chiefly of the type known as dry paper, and cotton insulation. The first consists of a wrapping of specially prepared dry paper around each individual wire, the whole being lead covered. The cotton covering is wound around each wire, a number of which, varying from a few to 160, are then placed or formed into a cable, and a lead covering is placed over them, paraffine being forced into the interstices between the conductors and the lead covering.

The telephone service in the subway conduits operates very satisfactory when metallic circuits are used, and when they are not in too close proximity to high potential circuits.

On long distance circuits of seven or eight miles in length there is a loss in efficiency of from twenty to thirty per cent. due to self-induction.



Pope Building after the fire, showing poles and wires, which have been removed.

The inductive capacity of cotton and paper insulations being much less than that of rubber or any other homogeneous compound, but very little rubber insulation is used for the telephone service.

For telegraph service the insulation used is rubber, fibre, impregnated with a bituminous compound, and cotton. Cotton, fibre and paper insulation must of necessity be encased in lead, and most of the rubber insulated cables are treated in the same manner, but there is quite a large amount of rubber insulated cables in underground conduits used for telegraph service in Boston that are not lead covered that have been in use for a number of years and give excellent results.

CONDITION OF THE CABLES.

All these cables are guaranteed for a term of five years; this term, however, is not to be taken as signifying the limit placed upon the life of the cables by the manufacturers. There is no doubt but what the underground cables, now in the electrical subways of Boston, are in excellent condition, and they will without doubt remain so for several years.

The failures, most of which caused no trouble, were twelve all told; six of these were due to imperfect joints made in the manholes, two were due to the injuries to cables, three to unknown causes and but one to failure of the insulation.

The failures of the insulation of the solid or tube system are somewhat greater in number than those occurring in the cable or drawing-in system, owing to the greater amount in use; but 59 per cent. of these failures were due to the carelessness of those who were engaged in excavating the streets for various purposes.

The number of roof and pole connections for distribution purposes is 1,050, which contain 40,267 wires and cables. A very few of these service connections enter the cellars and basements direct, but the great majority of them come up out of the ground through stand pipes set up against buildings and poles, the wires and cables going to the roofs and other points for the distribution of electrical energy. Experience has proved that this is not always a safe or desirable plan for electrical distribution, for while it is permitted it cannot be said that the wires are underground within the prescribed district. While the public streets are clear of overhead wires, those on the walls, roofs and private ways are nearly as numerous as ever.

ELECTROLYSIS.

But little damage has been done to the underground cables during the past year due to electrolysis; this is owing to the fact that all the underground cables are connected to the return and supplementary cables of the West End Street Railway Company in such a manner as to provide an easy path for the current that seeks the cables when the earth's potential is lower than the rails of the track, and leaves them when these conditions are reversed in the vicinity of the power house.

The water pipes owned by the city can be protected in this manner, and presumably they are; but this cannot be said of the gas pipes for the distribution of gas throughout the city. Deterioration of gas mains from this cause is inevitable, and the method of protecting water pipes and underground cables cannot be successfully applied to gas pipes, for while corrosion of the former, due to electrolysis, occurs only within certain sections of the city, the boundaries of which are quite well defined, it takes place at nearly all points where gas pipes are laid.

The large number of deaths, and explosions in manholes may in time be greatly increased by this hidden danger if something is not done to prevent it.

The total amount of conduit now laid is 484,556 feet, or nearly 92 miles.

Amount of single duct is 2,991,417 feet, or about 566.3 miles.

Amount of Edison tube is 343,871 feet, or about 65 miles, a total amount of about 631 miles of single duct and solid tube.

Amount of single conductors in cables is 191,542,703 feet, or about 36,277 miles.

Amount of single conductors in Edison tubes is 1,289,739 feet, or about 244.4 miles; making a total of about 36,514.4 miles of single conductor.

The total number of manholes is 2,109.

The total amount of Edison feed and junction boxes is 397.

There is 1,768,000 feet of cement-lined pipe.

There is 605,270 feet of iron pipe.

There is 213,147 feet of vitrified clay pipe.

There is 404,000 feet of wooden duct used in the electrical subways of the city of Boston.

The only wooden duct laid since the passage of the law of 1894 was laid in Charlestown district this season, by the New England Telephone and Telegraph Company.

The amount of energy expended in producing light, propelling street cars, elevators and machinery is shown by the following figures:

Number of electric lights in use :

Incandescent	.	.	.	.	.	324,271
Arc	.	.	.	.	.	8,272
Total	.	.	.	.	.	332,543

Maximum mechanical horse-power available for electric light and power, 49,473.

Maximum electrical horse-power, 48,689.

The mechanical horse-power is that of the boilers and engines and the electrical horse-power is that of the dynamos.

Many plants owned by private parties are not included in the above statement.

There has been a very marked increase in the use of electricity for various purposes during the last year, and the outlook is good for a still more extended use of it in the year to come.

The total work to February 1, 1897, comprised :

168,489 feet of subway.
748,246 feet of duct.
1,074,243 feet of cable drawn in.
1,108 service connections.
617 manholes built.

COMPANIES AND INDIVIDUALS DOING UNDERGROUND WORK DURING 1896.

For light and power purposes (high tension), Boston Electric Light Company, Park Department, Edison Electric Illuminating Company, Winch Brothers, West End Street Railway Company, Church Green Electric Light & Power Company, Public Institutions and Hospital Departments, Brookline Gas Light Company, United States Sub-Treasury Department, Quincy Market Cold Storage Company.

For telephone and telegraph purposes, signalling and miscellaneous purposes (low tension), New England Telephone & Telegraph Company, Western Union Telegraph Company, Boston Police Department, Boston Fire Department.

Combination of small companies, including United Telegram Company, Mutual District Messenger Company, Postal Telegraph Cable Company, Stock Quotation Telegraph Company, Boston District Messenger Company, Boston Auto-

matic Fire Alarm Company, Holmes Electric Protective Company, Mixer Brothers, Boston Electric Protective Association.

STREETS UPON WHICH WORK HAS BEEN DONE DURING 1896.

In the underground district, that is that portion of the city proper north of Dover and Berkeley streets, underground conduits have been constructed in the following streets :

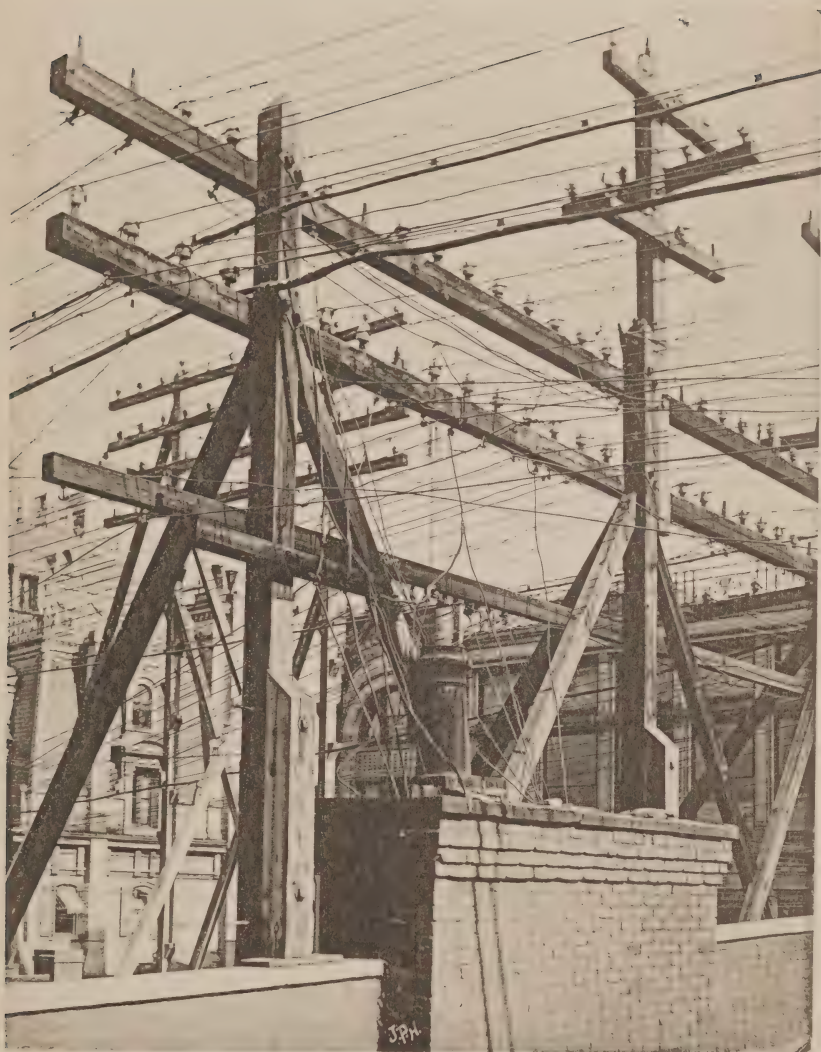
Albany.	Commercial wharf.	Matthews.
Anderson.	Congress.	Merrimac.
Allston.	Cooper.	Milk.
Arlington.	Court.	North Centre.
Ashburton place.	Court square.	North.
Atlantic ave.	Cross.	North square.
Batterymarch.	Derne.	Oliver.
Beacon.	Devonshire.	Park square.
Bedford.	Doane.	Parmenter.
Berkeley.	Dock square.	Pearl.
Blackstone.	Eastern ave.	Pemberton square.
Bosworth.	Elm.	Perkins.
Bowdoin.	Endicott.	Pinckney.
Brattle square.	Exchange place.	Post Office square.
Brimmer.	Federal.	Prince.
Broad.	Ferdinand.	Province.
Broadway.	Fleet.	Richmond.
Bromfield.	Franklin.	River.
Bulfinch.	Franklin ave.	Salem.
Carver.	Friend.	Salt lane.
Causeway.	Fulton place.	School.
Central.	Fulton.	Scollay square.
Central wharf.	Hanover.	Shawmut ave.
Chambers.	Hawes.	Somerset.
Channing.	Hawley.	Spruce.
Chandler.	Harrison ave.	State.
Charles.	Harvard.	Sullivan place.
Charlestown.	Haymarket square.	Thacher.
Chatham.	Henchman.	Traverse.
Chestnut.	Howard.	Tremont.
City Hall ave.	Hudson.	Tremont row.
Clarendon.	India.	Union.
Clinton.	India wharf.	Warrenton.
Commerce.	LaFayette ave.	Washington.
Commercial.	Lewis.	Water.
	Willow.	



Structure on building (1896 district). Will soon be cleared.



Same fixture, partially obscured by steam.



Structure on building, showing electric light wires entering flue in chimney, with messenger and telephone wires. Will soon be cleared.

OUTSIDE THE UNDERGROUND DISTRICT CONDUITS HAVE
BEEN LAID IN

A street, S.B.	Deerfield.	Marlboro'.
Albany.	Deer Island.	Massachusetts ave.
Bay State road.	Dorchester ave., S.B.	Montgomery.
Beacon.	Exeter.	Monum't ave., Ch.
Bolton, S.B.	F street, S.B.	Newbury.
Bothnia.	Falmouth.	Norway.
Boylston.	Franklin Park.	Park, Dor.
Broadway, S.B.	Freeport, Dor.	Raleigh.
Brighton ave., Br.	Garrison.	School, Dor.
Centre, Rox.	Gloucester.	Scotia.
Charlesgate, east.	Harvard, Dor.	St. James ave.
Charlesgate, west.	Hereford.	Tibbetts town way,
Clarendon.	Huntington ave.	Charlestown.
Columbus ave.	Irvington.	Tremont.
Commonwealth ave.	Kenmore.	Warren, Rox.
Cumberland.	Linden, Dor.	Washington, Rox.
Dartmouth.	Long Island.	West Newton.
	Wood Island Park.	

The appended tables show the work supervised by the underground division :

I. — WORK OF 1896, INSIDE THE DISTRICT OF 1896.

COMPANY.	Feet of Subway.	Feet of Duct.	Feet of Cable.	No. of Service Con- nections.	No. of Man- holes.
Boston Electric Light Co.....	29,083	117,545	228,275	188	141
‡ Combination of small companies...	5,754	21,665	* 46,807	47	33
New England Tel. & Tel. Co.....	4,303	22,367	39,000	91	33
Western Union Telegraph Co.....	3,426	7,737	9,276	16	15
West End Street Railway Co.....	2,450	12,059	4,841	2	10
Edison Electric Illuminating Co....	** 3,728	*** 6,470	**** 6,470	86	5
Boston Police Signal Service.....	3,168	4,010	22,242	20	8
Boston Fire Alarm.....	1,609	3,025	19,066	30	4
Boston District Messenger Co.....	580.	714	† 922	1	2
Church Green Electric Light and Power Co.	575	563	420	.....	1
Quincy Market Cold Storage Co....	384	1,128	17,680	2	4
Postal Telegraph Cable Co.....	252	252	2,012	5	1
Boston Electric Protective Asso- ciation .....	.....	.....	\$ 950		
United States Sub-Treasury Dept...	.....	.....	2,890		
United Telegram Co.....	.....	.....	1,656		
Mixer Bros.....	.....	.....	2,553		
Mutual District Messenger Co.....	.....	.....	1,060		
Holmes Electric Protective Co.....	.....	.....	635		
Suburban Light and Power Co....	.....	.....	5,346		
Boston Automatic Fire Alarm Co...	.....	.....	1,625		
Totals	55,312	197,535	413,726	488	257

‡ See page 42.

† Also 33,026 feet of insulated wire.

** Tube.

*** Tule.

* See Individual Companies.

‡ Also 6,723 feet of insulated wire

**** Conductors in tube.

MAP SHOWING LOCATION OF UNDERGROUND CONDUITS

LAID DURING THE YEAR 1896.

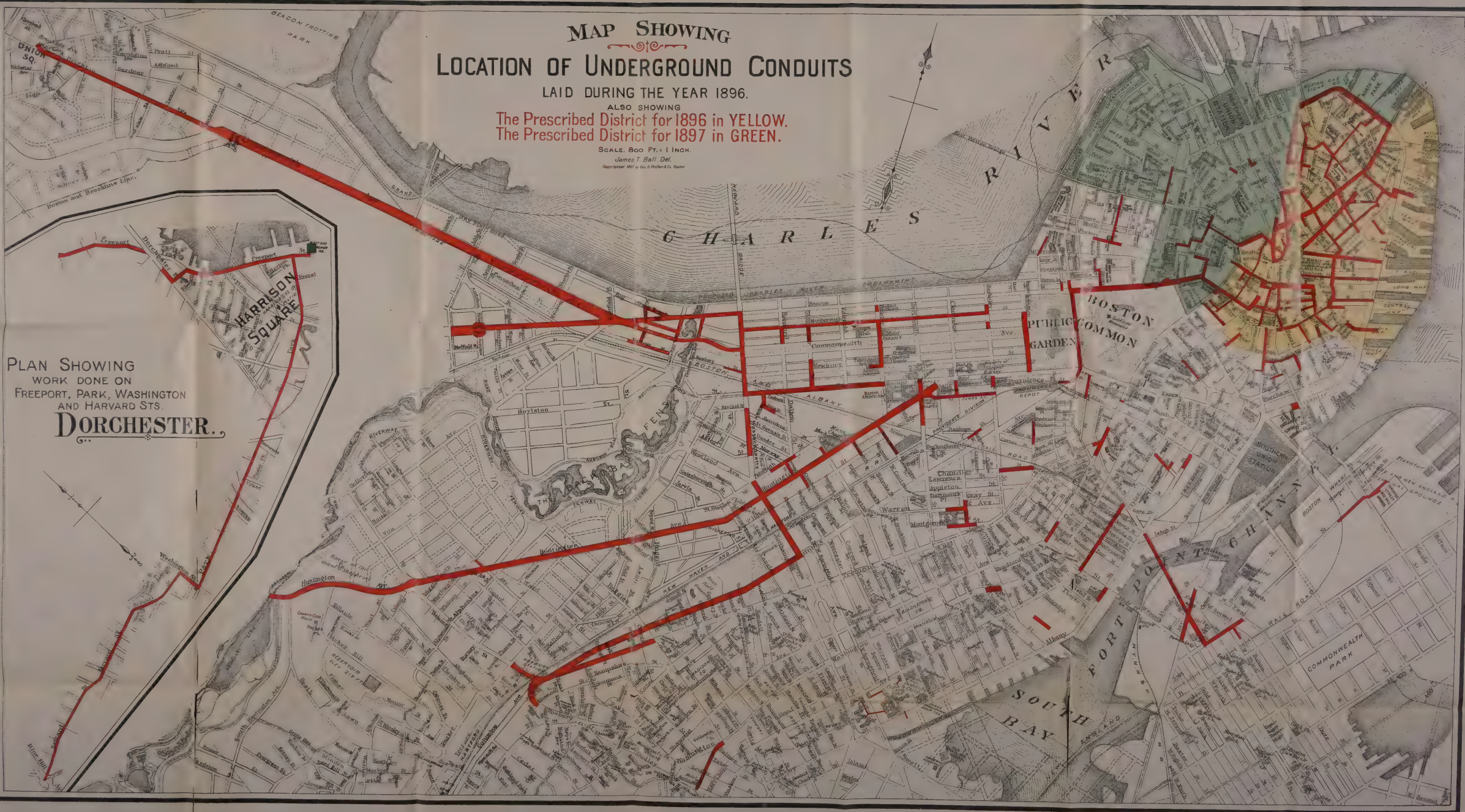
ALSO SHOWING
The Prescribed District for 1896 in YELLOW.
The Prescribed District for 1897 in GREEN.

Scale, 800 Ft. = 1 Inch.

James T. Ball, Del.

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PLAN SHOWING
WORK DONE ON
FREEPORT, PARK, WASHINGTON
AND HARVARD STS.
DORCHESTER.





II. — WORK OF 1896, INSIDE THE PRESCRIBED DISTRICT,
BUT OUTSIDE THE DISTRICT OF 1896.

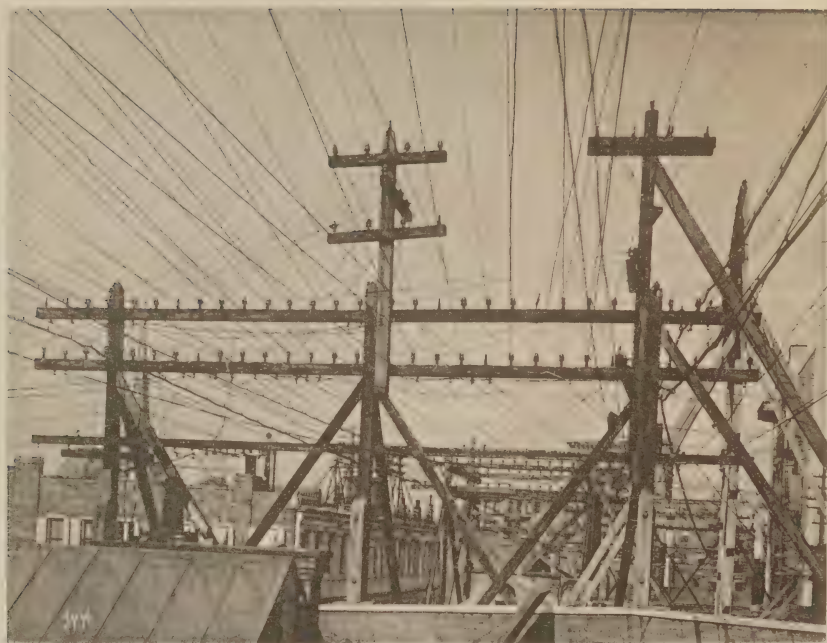
COMPANY.	Feet of Subway.	Feet of Duct.	Feet of Cable.	No. of Service Con- nec- tions.	No. of Man- holes.
Edison Electric Illuminating Co....	5,299	* 6,400	** 6,400	201	1
New England Tel. & Tel. Co.....	4,196	29,300	60,742	34	20
Boston Electric Light Co.	2,580	8,000	147,000	54	21
Boston Police Signal Service.....	2,359	2,860	5,113	9	4
Western Union Telegraph Co.	1,333	1,600	2,342	2	5
Winch Bros.....	317	317	317	2	
Church Green Electric Light and Power Co.....	992	1,176	5,980	2	5
Combination of small companies...	184	238	.....	1	
Postal Telegraph Cable Co.	178	178	.....	2	1
West End Street Railway Co.	44	44	5,420	2	
Boston Fire Alarm.....	25	25	1,200	1	
Totals.....	17,507	50,138	234,514	310	57

* Solid tube.

** Conductors in tubes.

III. — WORK OF 1896 OUTSIDE THE PRESCRIBED DISTRICT.

COMPANY.	Feet of Subway.	Feet of Duct.	Feet of Cable.	No. of Service Con- nections.	No. of Man- holes.
New England Tel. & Tel. Co.	28,501	197,333	72,000	56	106
Boston Electric Light Co.....	26,501	75,537	132,381	83	97
Edison Electric Illuminating Co....	5,219	50,589	27,832	113	17
West End Street Railway Co.....	13,796	137,923	198,247	9	48
Public Institutions and Hospital Departments.....	2,472	10,242	4,557	14	3
Park Department.....	3,787	3,787	6,713	24	22
Boston Police Signal Service.....	415	415	3,845	7	4
Brookline Gas Co.....	88	264			
Boston Fire Alarm.....	188	188	5,067	4	
Edison Electric Illuminating Co., Solid System.....		37,165	22,168		
Totals.	80,967	513,443	472,810	310	297



Structures on buildings in 1896 district. Will soon be cleared.



1. Tremont Street, south of Dover Street, outside prescribed district.
2. Tremont Street, north of Dover Street, inside prescribed district.

IV. — SUMMARY OF WORK OF 1896.

COMPANY.	Feet of Subway.	Feet of Duct.	Feet of Cable.	No. of Service Con- nections.	No. of Man- holes.
Boston Electric Light Co.....	58,164	201,082	507,656	325	259
New England Tel. & Tel. Co.....	37,000	249,000	171,742	181	159
Edison Electric Illuminating Co....	5,219	50,589	27,832	400	18
West End Street Railway Co.....	16,290	150,026	208,508	13	58
Combination of small companies...	5,938	21,903	* 46,807	48	33
Western Union Telegraph Co.....	4,759	9,337	11,618	18	20
Boston Police Signal Service.....	5,942	7,285	31,200	36	16
Park Department	3,787	3,787	6,713	24	1
Public Institutions and Hospital Departments.....	2,472	10,242	4,557	14	3
Boston Fire Alarm.....	1,822	3,228	25,333	35	4
Church Green Electric Light and Power Co.	1,567	1,739	6,400	2	6
Boston District Messenger Co.....	580	714	† 922	1	2
Quincy Market Cold Storage Co....	384	1,128	17,680	2	4
Postal Telegraph Cable Co.....	430	430	2,012	7	2
Winch Bros.	317	317	317	2	
Brookline Gas Co.....	88	204			
Boston Electric Protective Asso- ciation.....			‡ 950		
United States Sub-Treasury Dept...			2,890		
Mixer Bros.			2,553		
United Telegram Co.....			1,656		
Mutual District Messenger Co.....			1,060		
Suburban Light and Power Co.			5,346		
Boston Automatic Fire Alarm Co...			1,625		
Holmes Electric Protective Co.....			635		
Totals.....	146,759	711,081	1,088,012	1,108	585

* See Individual Companies.

† Also 33,026 feet of insulated wire.

‡ Also 6,723 feet of insulated wire.

Edison tube, 37,165 feet.

Edison single conductors in tube, 144,035 feet.

A detailed report is here submitted, which shows the electrical subway work by the various companies for the year ending January 31, 1897.

BOSTON ELECTRIC LIGHT COMPANY.

In the construction work this year cement lined duct is used in the conduits and wrought-iron pipe in the service connections, the work being done by this company itself.

The following is a list of the streets upon which conduits have been built and the number of ducts in each:

Arlington	2	Fulton	4
Ashburton place	1	Gainsboro'	2
Beacon	6	Garrison	2
Berkeley	3	Gloucester	1
Brattle square	4	Hanover	6
Broad	4	Hawes	2
Camden	2	Hawley	2
Causeway	4	Haymarket square	8
Central	4, 2	Huntington avenue	2, 3, 4, 6
Chandler	1	India	4, 1
Charlestown	4	Irvington	1
Chatham	6	Lafayette avenue	2
City Hall avenue	4	Lewis	4
Clarendon	1	Massachusetts avenue	4
Clinton	6	Milk	4
Columbus avenue	4	North	1, 4
Commerce	6	N. Centre	1
Commercial	4	Norway	1
Congress	1, 2	Oliver	3
Cooper	2	Pemberton square	2
Court	4, 2	Post-Office square	4
Court square	4	Prentiss	4
Cross	4	Prince	4
Cumberland	2	Salem	2
Dartmouth	2, 3	School	6
Dock square	6	Shawmut avenue	1
Eliot	3	State	6, 4
Elm	4, 1	Somerset	4
Endicott	4	St. James avenue	6
Exchange place	1	Thacher	4
Falmouth	1	Tremont	1
Fleet	4	Union	6
Franklin avenue	4	Washington	4
Friend	2, 1	Water	2, 4, 6

All cable is drawn in by the company itself. The cables are of the following sizes: No. 2, No. 4, No. 6, No. 0, No. 00, No. 0000, B. & S. gauge and 500,000 c. m.

A 4-conductor cable (telephone) has been drawn into the underground system between the Congress-street station, Ferdinand-street station and the Ames building; this provides a private telephone line between the main office and the power stations.

The work for the year comprises:

58,164 feet of subway.
 201,082 feet of duct.
 259 manholes built.
 325 service connections.
 507,656 feet of cable drawn in.
 23 underground circuits put in operation.

To finish the work in the 1896 district twelve connections are yet to be made, 12 manholes to be built, and about 3,000 feet of cable to be drawn in. This is due to subway construction for rapid transit.

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY.

The underground work of this company is confined chiefly to the Back Bay district. New conduits were laid and old ones enlarged, and a new station located on Newbury street, near Exeter. This station will not, however, be operated until next year.

For the South Boston district a new station has been established on Broadway, near F street, and this is now in use.

In the construction work four kinds of duct are used: Cement lined, wrought iron, vitrified clay, and wood. For conduit work cement lined duct, and for service connections wrought-iron pipe are used almost exclusively.

The following shows the number of ducts laid in the different streets:

A street, South Boston	4	Chestnut	3
Bay State road	1	Clinton	2
Beacon	7, 8, 9, 10, 12	Columbus avenue	6
Berkeley	8	Commonwealth avenue	6, 8
Boylston	2	Cumberland	1
Brighton ave., Brighton	6	Doane	2
Chambers	4	Exeter	6

F street, South Boston	10	Province	3
Franklin	2	Richmond	4
Garrison	2	Salt lane	2
Hanover	2, 4	Shawmut avenue	3
Hawes	2	Spruce	3
Haymarket square	11	Tibbetts town way, Charlestown	3
Hollis	2	Tremont	3, 4, 6
Huntington avenue	4, 3	Warren, Roxbury	6
Marlboro'	10, 12, 14, 15	Warrenton	1
Massachusetts avenue, ...	4, 10	Washington, Roxbury	6
Monument square	2	West Newton	2
Monument avenue	3	Willow	3
Newbury	2, 20, 34		
Parmenter	4		

A special solid underground system has been adopted on Bay State road, for the purpose of providing telephone service to a block of houses to be used in connection with the present drawing-in system.

The construction adopted consists of a 3-inch creosoted wooden boxing, in which is laid a lead-covered paper insulated cable, covered with a mixture of sand and pitch.

The distribution box is a specially arranged water-tight affair, located in the manhole at the corner of Bay State road and Raleigh street.

Paper insulated cables have been used almost exclusively. The work for the year comprises :

37,000 feet of subway.
249,000 feet of duct.
159 manholes built.
181 service connections.
171,742 feet of cable drawn in.

Work in the 1896 district is complete.

EDISON ELECTRIC ILLUMINATING COMPANY.

Until this year, the transmission of electricity by this company was accomplished solely by means of a solid tube system which was already underground.

Work on this tube system consisted chiefly of increase of service. Only a few new feeders have been laid, but the number of mains has been largely increased.

The following streets have been opened for this work :



1. Albany Street, north from Northampton Street.
2. Harrison Avenue, north from Northampton Street. (Both outside of prescribed district.)



1. Corner of Harrison Avenue and Northampton Street.
2. Corner of Dover Street and Harrison Avenue. (Both outside of prescribed district.)

A street, S.B.	Charlesgate, west.	India wharf.
Albany.	Clarendon.	Kenmore.
Anderson.	Commonwealth ave.	Merrimac.
Atlantic ave.	Court.	Montgomery.
Bay State road.	Court square.	Newbury.
Beacon.	Deerfield.	North.
Bedford.	Dorchester av., S.B.	Pinckney.
Berkeley.	Exeter.	Raleigh.
Bolton, S.B.	Ferdinand.	River.
Bosworth.	Fulton place.	School.
Broadway, S.B.	Gloucester.	Shawmut ave.
Boylston.	Harrison ave.	State.
Brimmer.	Harvard.	Warrenton.
Bromfield.	Haymarket square.	Washington.
Carver.	Hereford.	
Charlesgate, east.	Hudson.	

11 Junction boxes have been set, the largest a 10-way box.

In many cases lead-covered cable is used instead of tube, for service connections.

The total amount of 3-wire Edison tube laid during 1896 is 37,165 feet, made up of:

1,270 feet of feeder.
 24,849 feet of main.
 11,046 feet of service.

During this year a new storage-battery station was constructed on Scotia street, Back Bay, and in connection with the same a drawing-in system for the feeders has been used in place of the old solid tube system.

The new system consists of vitrified clay conduit with brick manholes, constructed on the following streets: Scotia street, 30 ducts; Boylston street, 9 and 15 ducts; Bothnia street, 24 ducts; Massachusetts avenue, 12 ducts; Commonwealth avenue, 6 and 3 ducts.

The feeder and pressure wire cables in the above conduits are rubber insulated and lead covered.

The feeder cables have a cross section of 1,000,000 and 350,000 C. M.

The number of feeder circuits at present in operation is 3.

Summary of vitrified clay conduit work:

5,219 feet of subway.
 50,589 feet of duct.
 18 manholes built.
 27,832 feet of cable drawn in.

WEST END STREET RAILWAY COMPANY.

The subway work for this company in the 1896 district consists solely of a 5-duct conduit on Hanover street, from Washington street to Battery street. The work was done by the Boston Electric Light Company, in connection with the conduit constructed by this latter company; the conduits being laid side by side in the same trench.

The duct used is 3-inch cement lined pipe, laid in concrete.

The feed cable (500,000 C. M.) drawn into this conduit is of paper insulation. The return cable (500,000 C. M.) drawn in is connected to the rails at each manhole.

The feeder and return cables on Washington street, between Adams square and Hanover street, will remain overhead for the present.

No conduits to provide for these have been laid, this work being postponed on account of the proposed subway work by the Boston Transit Commission.

During this year work has been completed on the private telephone line, for use in connection with the underground system, constructed during 1894 and 1895. The telephone is a 4-pair paper insulated cable, and is connected to a telephone box, placed on each terminal pole, and in each manhole.

The main construction by the West End Street Railway Company this year consisted in establishing a new power house at Freeport street, Dorchester, and an underground system in connection with the same.

The ducts used are of vitrified clay.

Terminal poles have been established at the following places:

Dorchester avenue at Linden street	.	.	5	feeders.
Dorchester avenue, north of Linden street	.	.	5	"
Park street at Adams street	.	.	2	"
Dorchester avenue, near Park street	.	.	1	"
Washington street, near Park street	.	.	1	"
Washington, opposite School street	.	.	3	"
Blue Hill avenue at Harvard street	.	.	1	"

The feed cables drawn in are paper insulated; of these, cables one has a cross section of 1,000,000 C. M., the remainder being of 500,000 C. M. cross section.

Bare return cables were laid on top of the conduit while the trench was open.



1. Harrison Avenue, south from Dover Street, outside prescribed district.
2. Harrison Avenue, north from Dover Street, in the prescribed district.



Atlantic Avenue, 1896.



Atlantic Avenue, 1897.

TABLE SHOWING UNDERGROUND WORK IN DORCHESTER
BY WEST END STREET RAILWAY COMPANY.

STREET.	From.	To.	Number of Ducts.	FEED CABLES.		RETURN CABLES.	
				No.	Tot'l c.m.	No.	Tot'l c.m.
Freeport	Power House....	Park.....	28	18	9,500,000	25	12,500,000
"	Park.	Linden	14	10	5,000,000	12	6,000,000
Linden.....	Freeport	Dorchester ave.,	14	10	5,000,000	12	6,000,000
Dorchester ave.,	Linden.....	North.....	14	10	5,000,000	12	6,000,000
Park.....	Freeport	Adams	14	8	4,500,000	13	6,500,000
"	Adams.....	Dorchester ave.,	11	6	3,500,000	11	5,500,000
"	Dorchester ave.,	Washington	8	5	3,000,000	7	3,500,000
Washington	Park.....	School.....	8	4	2,000,000	5	2,500,000
School	Washington	Harvard.....	6	1	500,000	1	500,000
Harvard.....	School.....	Blue Hill ave....	6	1	500,000	1	500,000
Freeport.....	Dorchester ave.,	Hancock .....	.....	.....	.....	6	3,000,000

The underground work for the year comprises :

16,290 feet of subway.
 150,026 feet of duct.
 58 manholes built.
 12 service connections.
 208,508 feet of cable drawn in.
 18 feeders placed under ground.

COMBINATION OF SMALL COMPANIES.

This association consists of the following lowtension companies, who have combined in the construction of underground conduits this year :

Postal Telegraph Cable Company.
 Mutual District Messenger Company.
 Boston Automatic Fire Alarm Company.
 Boston District Messenger Company.
 Holmes Electric Protective Company.
 Mixer Bros.
 United Telegram Company.
 Stock Quotation Telegraph Company.
 Boston Electric Protective Association.

The appended table shows the number of ducts laid in each street, the number and location of the ducts used by each company, the companies in common, and the spare ducts :

Combination of Small Companies.

LOCATION OF DUCTS ASSIGNED TO INDIVIDUAL COMPANIES.

STREET.	From.	To.	M. D. Messenger Co.	Holmes Elec. Prot. Co.	B. Elec. Prot. Ass'n.	B. Auto. F. A. Co.	B. Dist. Messenger Co.	United Tel. Co.	Postal Tel. Cable Co.	Stock Quotation Tel. Co.	Mixer Bros.	Joint.	Spare.	Total.
Post-Office sq....	Milk	Bath.....	1	1	*	1	..	1	1	*	1	1	1	8
Congress.....	Bath	Water.....	1	1	*	1	*	1	1	*	1	1	1	8
Water	Congress.....	Washington....	*	*	*	*	..	*	..	*	1	2	..	3
Congress	Water	State	1	1	*	1	*	1	1	*	1	1	1	8
State.....	Congress.....	Devonshire.....	1	1	*	1	*	..	*	*	1	1	1	6
"	Devonshire.....	Washington.....	1	1	*	1	*	*	1	*	1	1	1	7
Washington	State (south side).	State (north side) ..	1	1	*	1	*	*	1	*	1	1	1	7
Court.....	Washington.....	Ames building....	1	*	*	1	*	*	1	*	1	2	..	6
"	Ames building....	Court sq	2	*	*	1	*	*	1	*	*	2	..	6
"	Court sq.....	Scollay sq	*	*	*	*	*	*	..	..	*	3	..	3
Scollay sq	"	Pemberton sq....	*	*	*	*	*	*	..	..	*	2	..	2
Court sq.	Court.....	City Hall ave.....	*	*	*	*	*	*	1	*	*	2	..	3
Milk.....	Congress	Pearl	..	..	..	..	..	*	..	..	*	1	..	1
"	Pearl.....	111 Milk.....	..	..	..	..	..	*	..	..	*	1	..	1
"	111 Milk.....	Broad	*	*	..	*	*	*	1	..	*	2	..	3
"	Broad	India	*	*	..	*	..	..	1	..	..	1	..	2
India	Milk.....	State.....	*	*	*	*	..	..	..	..	..	1	..	1
Central wharf ..	India.....	Chamber of Commerce.....	*	*	..	*	..	..	1	..	..	1	..	2
Commercial.....	State.....	Clinton.....	*	*	..	*	..	..	..	..	..	1	..	1
Franklin ave....	Court	Cornhill.....	*	*	*	*	*	*	*	*	*	2	..	2
Brattle sq.....	Cornhill.....	Elm.....	*	*	*	*	*	*	*	*	*	3	..	3
Elm	Brattle sq	Hanover.....	*	*	*	*	*	*	..	..	*	3	..	3
Tremont	Lagrange.....	Van Rensselaer pl.	*	*	*	*	*	..	..	..	..	2	..	2
Federal	Milk	47 Federal.....	*	*	*	*	*	..	..	*	*	2	..	2
														90

* Company occupies duct jointly.

In the construction work this year wrought-iron pipe was employed exclusively, both for conduit work and service connections. The manholes and service connections are used in common by all the companies.

The amount drawn in by each is given under the heads of the individual companies.

The insulation of cables drawn in are cotton, paper, rubber and fibre. They are of the following sizes: 8, 10, 15, 16, 20, 30, 32, 34, 35, 40 and 50 conductor, and 15, 27, 29, 30, 60 and 120 pair.

The work for the year comprises:

5,938 feet of subway.
21,963 feet of duct.
33 manholes built.
48 service connections.

Work all completed in the 1896 district.

WESTERN UNION TELEGRAPH COMPANY.

The following is a list of the streets in which underground construction has been carried on this year, with the number of ducts laid in each street:

Adams square	3	Hanover	1
Allston	1	Howard	1
Bowdoin	1	School	1
Bulfinch	1	State	1
Derne	1	Tremont row	1
Devonshire	4, 3	Washington	3, 1
Elm	1	Water	1

The work in Adams square and Washington street was for the purpose of re-locating an old conduit, by order of the Boston Transit Commission.

Wrought-iron tubing was used exclusively.

The cables drawn into the conduits are lead covered and fibre insulated. They are of the following sizes: 10, 15, 20, 60, 80, 85 and 100 conductor.

The work for the year consists of:

4,759 feet of subway.
9,337 feet of duct.
20 manholes built.
18 service connections.
4,618 feet of cable drawn in.

BOSTON POLICE SIGNAL SERVICE (B. P. D.).

The work this year consisted in setting new signal posts and connecting the boxes and station in divisions 1 and 2 by means of an underground system; in addition a part of division 16 has been placed underground.

The ducts of the New England Telephone & Telegraph Company, Western Union Telegraph Company and Postal Telegraph Cable Company have been utilized wherever possible, and the construction work consisted simply in making connections from the manholes of the above named companies to the boxes or by extending the conduits.

In the construction work wrought-iron tube is employed.

One-duct conduits were laid on the following streets :

Blackstone.	Commercial.	Henchman.
Bosworth.	Commercial wharf.	North.
Charles.	Court square.	Salem.
Charlestown.	Hanover.	Travers.

Cable has been drawn in by the department itself. The cables drawn in are 7 and 4 conductor, rubber insulated, the most of which is lead covered, while a small amount is provided with a circular loom covering.

The work for the year comprises :

5,742 feet of subway.
7,285 feet of duct.
16 manholes built.
36 service connections.
31,200 feet of cable drawn in.

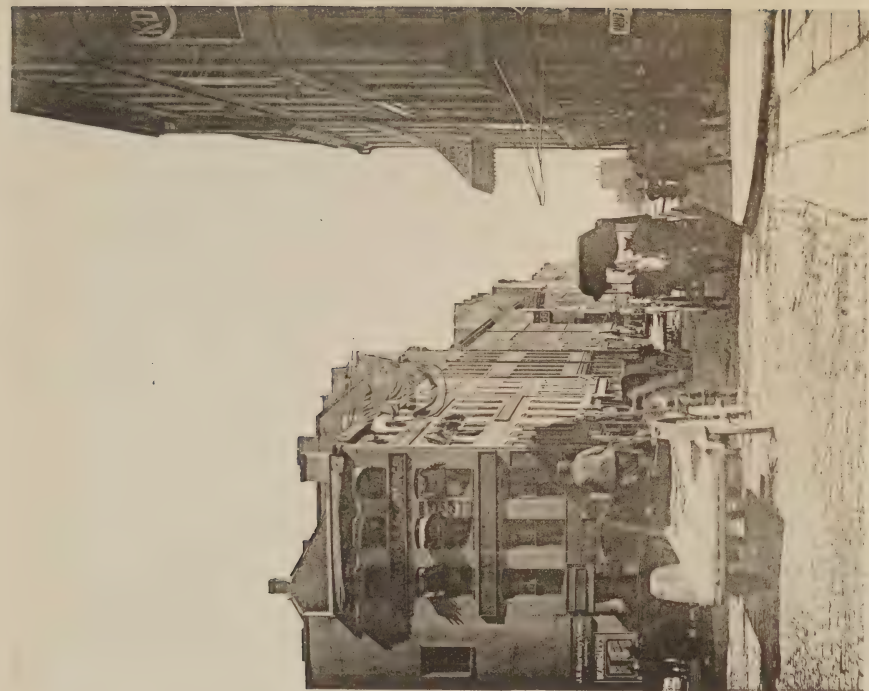
Work in the 1896 district is complete.

PARK DEPARTMENT.

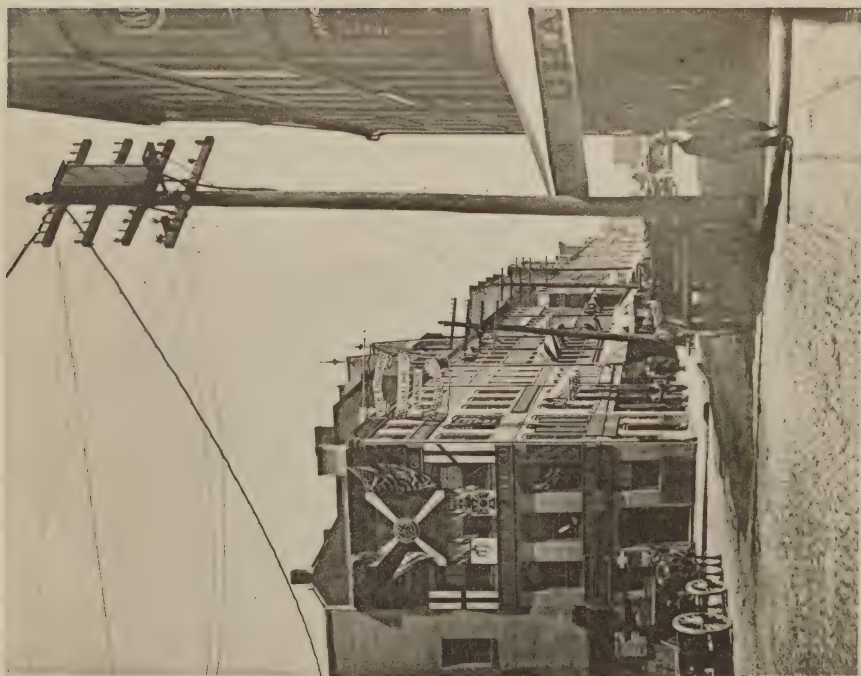
During the year underground construction has been carried on at Wood Island Park and at Franklin Park.

The work in Wood Island Park consisted in laying a 1-duct conduit of wrought-iron pipe to arc lamps placed in the gymnasium, oval and play-ground. Three sizes of pipe were used, namely: 2 inch, 3 inch and 1½ inch. The cable drawn in is No. 6 for arc and incandescent lighting purposes.

At Franklin Park a 3-inch iron pipe was laid from Blue Hill avenue to the Refectory building, thence to the horse-



State Street, 1897



State Street, 1896



Broad Street, 897.



Broad Street, 896

sheds. Cables drawn in are No. 4 and No. 0 rubber insulation for incandescent lighting purposes.

The work for the year consists of:

- 3,787 feet of duct.
- 6,73 feet of cable.
- 21 three-way boxes.
- 1 manhole built.
- 24 service connections.

PUBLIC INSTITUTIONS AND HOSPITAL DEPARTMENTS.

Underground conduits were laid at Deer Island, Long Island and the City Hospital during the year. The construction work was done by the Electrical Construction Division of the Public Buildings Department.

Two and one half inch wrought-iron pipe and two and one-half inch steel pipe were used in the construction work.

At Deer Island a power house has been erected and connected by an underground system to the women's hospital and the new prison building.

No cable has been drawn in as yet, and the work is not complete.

At Long Island the temporary arrangement, referred to in the last annual report, has been replaced by a permanent underground system.

The construction work is complete.

The work at the City Hospital consisted of laying ducts across Albany street, from the proposed power house to the City Hospital, through the City Hospital yard, and across Massachusetts avenue to contagious wards.

Cable has been drawn into these ducts of the following sizes: No. 0, No. 0000 B. & S. gauge, and 500,000 and 600,000 C. M. These cables are for incandescent lighting purposes.

The work for the year comprises:

- 2,472 feet of subway.
- 10,242 feet of duct.
- 3 manholes built.
- 14 service connections.
- 4,557 feet of cable drawn in.

BOSTON FIRE DEPARTMENT (FIRE-ALARM BRANCH.)

The conduit work in the 1896 district consists of 1 duct conduit on Salem, Commercial, and Henchman streets, in common with the Boston Police Department.

New combination posts, each of which supports a signal box and gas lights, are each connected to the underground system.

These cables have been drawn, when it was possible to do so, into the ducts owned by the New England Telephone & Telegraph Company and the Western Union Telegraph Company and the Postal Telegraph Cable Company. All the ducts laid by the fire department consist of plain wrought-iron pipe.

Lead covered and rubber insulated cables containing 10, 19, 37 and 61 conductors have been drawn in by this department.

The work for the year consists of :

1,822 feet of subway.

3,238 feet of duct.

4 manholes built.

35 service connections.

25,333 feet of cable drawn in.

BOSTON AUXILIARY FIRE-ALARM COMPANY.

Seven signal boxes of the Boston Auxiliary Fire Alarm Company have been connected to the underground system of the fire department during the year. The connections, cables, etc., are owned by the last named.

CHURCH GREEN ELECTRIC LIGHT & POWER COMPANY.

The work by this company consisted of laying a three-inch wrought-iron pipe with handholes from the power house in Sullivan place through the following streets: Sullivan place, Federal, Channing, Perkins, and Pearl streets.

The work comprised 1,567 feet of duct and six handholes.

The cables drawn in are for light and power purposes and are lead covered and rubber insulated; the sizes of cable are No. 0000 and No. 0.

Total feet of cable drawn in is 6,400.

To complete the underground work in the 1896 district twelve connections are yet to be made and 600 feet of cable to be drawn in.

BOSTON DISTRICT MESSENGER COMPANY.

In addition to work in conjunction with the combination of small companies this company independently laid a 1-duct conduit of wrought-iron pipe, with handholes, in City

Hall avenue and School street and made one connection, representing 714 feet of duct.

Into this conduit and that of the small companies 922 feet of cable and 33,026 feet of insulated wire have been drawn.

QUINCY MARKET COLD STORAGE COMPANY.

The wooden ducts laid in Richmond street, Commercial street and Eastern avenue during 1895 were abandoned on recommendation of this department.

These ducts were laid in connection with the laying of underground brine pipes, under a permit issued by the Board of Aldermen, no manholes being built at the time.

They have been replaced this year by the following construction: A 3-duct cement lined conduit was laid across Atlantic avenue from the building No. 109 Atlantic avenue, connecting with the underground system of the Boston Electric Light Company on Atlantic avenue opposite Richmond street; on Eastern avenue a similar conduit with manholes was built from the Boston Electric Light conduit on Atlantic avenue to the Cold Storage Plant on Eastern avenue.

By this construction the two plants of this company are connected by an underground system, that portion of the Boston Electric Light Company conduit on Atlantic avenue, between Richmond street and Eastern avenue, being utilized.

Lead covered cables for lighting and signalling purposes were drawn into the ducts of this system. They are rubber insulated and of the following sizes: Nos. 2, 0, and ten pair.

The work for the year consists of:

384 feet of subway.
1,128 feet of duct.
4 manholes built.
2 service connections.
17,680 feet of cable drawn in.

UNITED STATES SUB-TREASURY DEPARTMENT.

The only underground work by this department was in placing two No. 4 cables in its conduit between the Post-Office Building and Custom House, making a spare circuit to be used in case of failure of the concentric cable drawn in during the year 1894.

The length of cable drawn in is 2,890 feet.

POSTAL TELEGRAPH CABLE COMPANY.

This company has drawn 2,012 feet of cable into the ducts owned by the combination of small companies, and made seven connections on its own underground system.

WINCH BROTHERS.

This firm laid a two-inch galvanized iron pipe from the rear of its building, No. 134 Federal street, through Matthews street, to the cellar of No. 204 Congress street; into this duct was drawn a duplex cable of No. 1 B. & S. gauge. This cable is for incandescent lighting purposes.

The work comprised 317 feet of duct, 317 feet of cable; length of single conductor in cable 634 feet.

BROOKLINE GAS LIGHT COMPANY.

During the re-building of the Cottage Farm bridge at Commonwealth avenue, this company laid three iron pipes across the bridge; the work comprised 88 feet of subway and 264 feet of pipe.

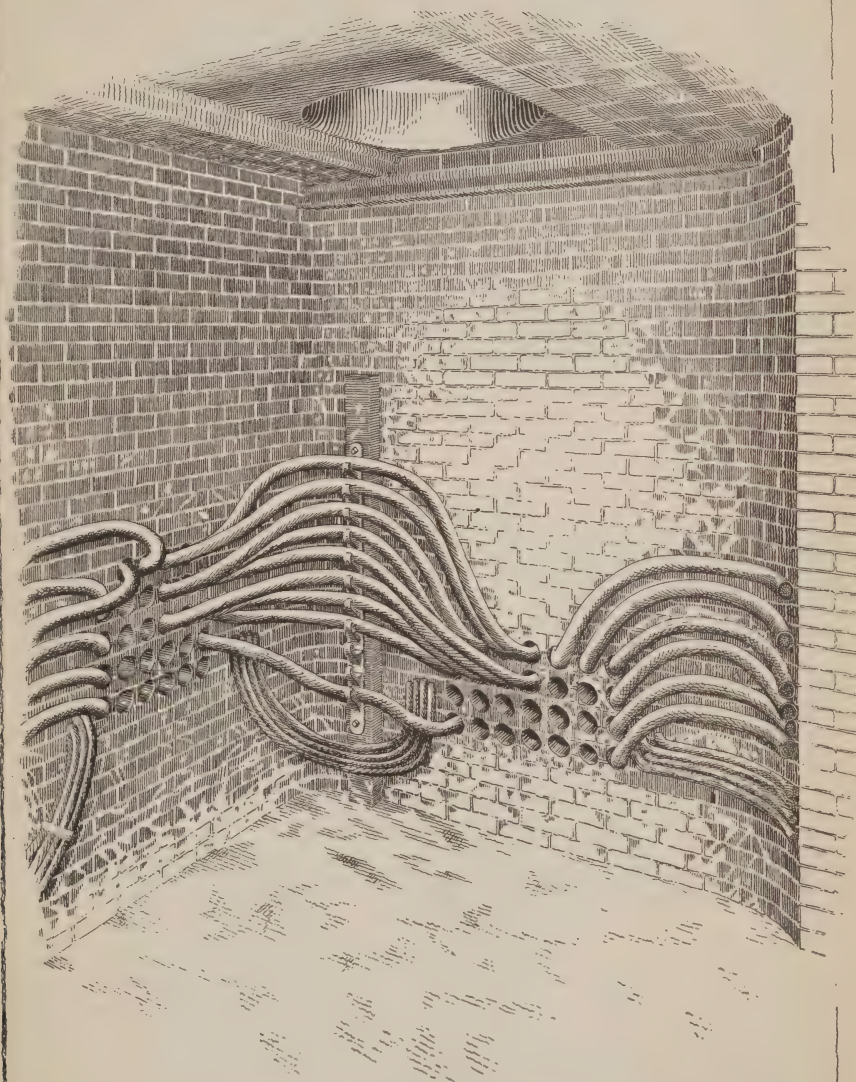
BOSTON ELECTRIC PROTECTIVE ASSOCIATION.

This company has drawn 950 feet of cable and 6,723 feet of insulated wire into the subway owned by the combination of small companies.

MIXER BROTHERS.

The underground conduit is owned by the combination of small companies. This firm drew in 6,266 feet of paper insulated cable.

SKETCH OF
-- ELECTRICAL -- SUBWAY -- MANHOLE --
BUILT BY THE WEST END STREET RAILWAY CO.
ON
FREEDPORT ST. - DORCHESTER -
SUMMER OF 1896 -





Paying in Underground Cables.



Drawing in Underground Cables.

Table Showing Underground Electrical Service of Boston.

COMPANY OWNING.	Feet of subway.	Feet of duct.	LENGTH OF CABLE IN FEET.				Feet of single conductor in the cables.	No. of service connections.	No. of man-holes.
			For light and power.	For telephone and telegraph.	For signalling and miscellaneous.	Total.			
New England Telephone & Telegraph.....	233,921	1,592,598	.....	837,254	.....	837,254	178,977,749	683	1,026
Boston Electric Light.....	124,899	651,155	1,372,876	10,243	.....	1,383,119	1,413,848	706	633
Edison Electric Illuminating.....	5,209	50,589	27,832	.....	11,400	413,181	139,160	3,172	342
West End Street Railway.....	29,507	377,977	425,671	14,328	.....	439,999	439,999	32	110
Combination of Small Companies.....	12,009	66,507	.....	.....	.....	46,807	.....	80	76
Park Department.....	11,787	90,087	105,801	.....	.....	105,801	105,801	279	22
Western Union Telegraph.....	28,040	70,191	.....	62,111	.....	62,111	3,923,734	45	94
Postal Telegraph Cable.....	11,566	23,137	.....	16,298	.....	16,298	*838,843	24	77
Boston Police Signal Service.....	8,472	15,854	.....	.....	† 84,755	84,755	555,408	99	22
Boston Fire Alarm.....	5,837	10,826	.....	.....	† 76,594	76,594	3,319,007	88	9
Quincy Market Cold Storage.....	1,854	7,008	15,154	.....	2,526	17,680	40,414	4	4
Boston District Messenger.....	4,231	4,365	.....	.....	4,953	4,953	*97,516	1	2
Church Green Electric Light and Power.....	3,187	3,785	12,720	.....	.....	12,720	12,720	13	17
United States Sub-Treasury Department.....	1,403	1,403	4,300	.....	.....	4,300	5,710	1	5
Public Institutions and Hospital Departments.....	3,172	11,642	6,159	.....	.....	6,157	6,157	17	3
Boston Water Department.....	2,670	2,690	.....	.....	2,690	2,690	2,690	1	
Suburban Light and Power.....	.....	.....	** 13,346	.....	.....	13,346	13,346	12	

Table Showing Underground Electrical Service of Boston.— *Concluded.*

COMPANY OWNING.	Feet of subway.	Feet of duct.	LENGTH OF CABLE IN FEET.				Feet of single con- ductor in the cables.	No. of service con- nections.	No. of man- holes.
			For light and power.	For tele- phone and telegraph.	For signalling and miscellaneous.	Total.			
Boston & Albany R.R.....	175	725	830	.....	480	1,360	1,360	3	
Boston & Maine R.R.....	700	700	700	.....	.....	700	1,400	2	
Winch Brothers.....	317	317	317	.....	.....	317	634	2	
Brookline Gas Light.....	88	1,464	2,400	.....	.....	2,400	2,500	9	20
D. Webster King.....	160	240	320	.....	.....	320	320	2	
C. A. & J. G. Damon.....	194	388	630	210	.....	840	1,890	1	
Boston Electric Protective Association.....	.....	.....	.....	.....	6,914	6,914	*75,057		
Boston Automatic Fire Alarm.....	.....	.....	.....	.....	7,995	7,995	*295,585		
Holmes Electric Protective.....	.....	.....	.....	.....	6,261	6,261	*387,168		
Mutual District Messenger.....	.....	.....	.....	.....	7,432	7,432	*179,445		
United Telegram.....	1,359	1,359	.....	.....	4,050	4,050	*72,826		
Stock Quotation Telegraph.	.....	.....	.....	.....	.....	.....	.....		
Mixer Brothers.....	.....	.....	.....	.....	2,553	2,553	329,856		
American Telephone & Telegraph.....	.....	.....	1,500	.....	.....	1,500	300,000	2	
Miscellaneous.....	200	350	3,000	100	.....	3,100	3,100	10	
Total.....	491,047	3,011,417	2,042,056	952,044	218,603	3,516,700	191,543,243	5,288	2,462

This also includes loose wire not in the form of cable.

Principally in the ducts of other companies.

* In the ducts of the Boston Electric Light Company.

Subway owned by the Combination of smaller companies.

The Edison tubes are not enumerated as ducts, nor the conductors therein as con-
ductors in cables.

The amount of Edison tube is 343,871 feet.

" " " single conductors therein 1,289,739 feet.

Table Showing the Distribution of Boston's Electrical Power in Boston, February 1, 1897.

COMPANIES.	LAMPS IN USE.		MOTORS, HORSE POWER.		TOTAL HORSE POWER.		No. of plants in operation.
	Incandescent.	Arc.	Stationary.	Railway.	Mechanical.	Electrical.	
West End Street Railway.....	21,575	.....	.....	71,410	25,550	26,135	5
Boston Electric Light.....	56,469	4,252	18,365	.....	9,190	6,230	6
Edison Electric Illuminating.....	134,381	1,422	5,354	.....	9,300	11,216	* 4
Suburban Light and Power	12,500	230	540	.....	1,050	1,445	2
Charlestown Gas and Electric Light.....	1,650	495	.....	.....	660	528	1
Brookline Gas Light.....	22,746	449	150	.....	1,850	1,214	1
Church Green Electric Light and Power.....	3,000	10	300	.....	635	715	5
Isolated.....	71,950	1,314	13,085	.....	11,250	11,095	171
Total.....	324,271	8,172	37,794	7,149	59,485	58,578	195

* On storage battery on Scotia street.

MISCELLANEOUS.

During the year all iron ducts containing high potential conductors that cross iron bridges have been insulated therefrom. The trolley wires have been carefully insulated from the ironwork that extends above and over the roadway, and means have been provided whereby the trolley arms cannot come in contact with any part of the structural portion of iron bridges, as a safeguard against such accidents as occurred on the Broadway bridge on July 15 and 16, 1896.

The tendency to cheapen everything that is used in connection with the distribution of high potential currents has been a source of constant annoyance and anxiety to this department. Exhaustive tests have been made of many of the appliances in daily use by the people of this city, and the simple and effective word "condemned" attached to all that were not found to be absolutely safe in the hands of all who have to use them.

It is quite natural to suppose that such a course would meet with a determined opposition from those engaged in the electrical business; such is not the case. The manufacturers of electrical goods prefer to make the best class of goods, providing they can find a market for them, and the electric light managers, electrical contractors, etc., prefer to install the very best materials, provided their customers, from motives of economy or lack of knowledge, do not demand, unsafe or inferior articles.

This department stands as an insurmountable barrier between those who would, for the sake of pecuniary gain, jeopardize the homes, places of business, and their valuable contents, and the public, who only seek to get the most for their money, not knowing that the old saying, "the cheapest is often the dearest in the end," when applied to electrical installations, has a greater significance than can be accurately estimated in advance.

The insurance adjuster, standing beside a heap of smouldering embers — all that is left of stately buildings and their contents — finding his task of figuring up the loss to his companies reduced to the simple word "total," has time to fully realize how superior man's "hindsight" is to his "foresight," and how unwise it is to attempt to "save at the spigot" and "waste at the bung-hole" in matters where nothing is known by the purchaser, except the difference in price.

The clause now inserted in nearly all contracts for electrical construction, which reads "must be approved by the Wire Department," makes it the sole judge of work and

material used. Thus far its judgment and rulings have not been questioned, and all parties cheerfully abide by its decisions, which I am sure have been of great benefit to all concerned.

Attention is called to some of the illustrations that are scattered throughout this report, some of which cause us to cease to wonder why that mysterious force which, for want of a better name, we call the "electric fluid," often persists in wandering from the path designed for it to follow, when the perversity or stupidity of man places in its true course such obstacles as are depicted in Plates 1, 2, 3 and 4, with which to bar the way.

In Plate 1 is shown a few samples of improperly made joints in wires, all of which were a source of danger when used as electric conductors; they were all taken from well-known places of amusement. A large assortment of the same kind is in the possession of this department.

In Plate 2 is shown in the upper right-hand corner the remains of a 500-volt double-pole jack-knife switch, with the handle and metal cross bar detached from the blades by the excessive heat due to a short circuit for the current across the insulation between the cross bar and blades; the slate base was also rendered useless.

Next to this on the left is an arc light cut-out switch, which was set on fire and destroyed, together with other property, due to its own imperfections and the electric current. In the lower right-hand corner is also shown an imperfect fuse-block, which was the cause of a fire. Next comes pieces of gas, water and waste pipes, melted by excessive currents which reached them in various ways.

Plate 3. In the centre of this plate is shown a fixture canopy and cut-out, which were the cause of a fire in a prominent hotel. Just above this is shown a defective switch, which was discovered to be on fire in one of the largest places of amusement in the city by an inspector of this department, while there in the performance of his duty. Hanging less than a foot away from it at the time was a can of kerosene oil.

In the upper right-hand corner is shown a piece of wire found in a place of amusement. The wiring in this building was tested by an inspector of this department, and found to be badly "grounded," due to this piece of wire, which was inclosed in moulding, fastened to a damp brick wall. The moulding and insulation had rotted away, and electrolysis had attacked the wire. The piece of wire with floor tube on it, shown in the left hand portion of the plate, was taken

from a fish market. Dampness destroyed the insulation of the wire, permitting the current to escape to a window full of fish, in the handling of which shocks were received by the attendants. The matter was reported to this department, and by it the cause of the trouble was located.

The two pieces of wire inclosed in brass-armored insulated conduit, shown in the extreme left of the plate, were the cause of a fire in a Washington-street store. Water extended to the tube, and was absorbed by the insulating lining; in this way an electrolytic action was set up, sufficient to eat away a portion of the copper wire; an arc was then established at that point, resulting in a fire.

The incandescent lamp, shown in the picture, was one of several that indirectly caused a fire in a place of amusement. The plush drop-curtain rested on the lamps of one of the stage border lights, and was ignited and destroyed, together with other portions of the scenery, before the fire was extinguished.

To the left of this lamp may be seen a screw-hook with a wire attached; these two formed one of the supports of a cash carrier system in a dry goods store. Where this screw-hook went into the ceiling its point struck against a gas pipe; this brought it in connection with the cash carrier. In the front of the store the insulation of a pendant cord was worn off, bringing the bare copper in contact with the cash carrier, forming a derived circuit through this wire and hook herein shown, melting the former, and the hot metal dropped into a pile of waste paper, etc., setting it on fire.

In the right-hand lower corner is shown two strips of lead which were removed by an inspector of this department from a cut-out designed to prevent an excessive flow of current over a No. 14 wire in one of the large department stores in this city. A sufficient amount to melt the wire could pass over these "fusible (?) strips" without heating them very perceptibly.

This is a case where the presumably weak link proved to be the stronger, where the "protector" was an incendiary in disguise; in fact the presence of this piece of lead was a menace to the building, its contents and the people in it.

To the left of these strips is a piece of wire, the insulation of which was gnawed by rats. This was taken from one of our places of amusement; the condition of the circuit was found to be so bad, due to the taste developed by these rodents for high-grade insulation, that it was necessary to run a new one in a different place and provide it with a rat-proof mechanical protection.

To the left of this wire can be seen a piece of fusible wire and a lamp socket that caused a short circuit; as the carrying capacity of this fusible metal exceeded that of the copper wire, the latter overheated, setting fire to the drapery that was used for decorative purposes, the loss being quite large.

The two pieces of wire shown in a horizontal position in the lower portion of the picture were responsible for a serious fire which caused the loss of many thousands of dollars' worth of property. These wires were located in the rear of pipes, the water from which destroyed the insulation of the wires, and electrolysis set in; an arc was established, resulting in a fire of considerable magnitude.

In several places on this plate may be seen pieces of copper wire which were removed from fuse blocks and replaced with fusible wire by the inspectors of this department. These defects are found in cases too numerous to mention.

To the extreme right, and about midway of the plate, is a butt of an Edison lamp to which is attached two pieces of ordinary magnet wire, for the purpose of making an attachment cord and plug for a portable light. This was taken from a bank where it had been installed by some one who illustrated very forcibly the saying that "a little knowledge is a dangerous thing."

The upper picture in Plate No. 4 shows a peculiar discoloration of the wall in an office, due to electrolysis. Attached to a gas-pipe nipple was a combination bracket, used for gas and electric lighting; the insulation on one of the wires was worn off, bringing the wire and bracket together, and as a result of this a current flow of electricity was established from the bracket to the wall, thence to the ground to gas pipe and return. The damp wall acted as an electro-plating bath where in the metal of the pipe was deposited with the result shown.

The other picture shows the result of a fire started by an overheated electric motor rheostat or regulator that was improperly mounted on wooden sheathing.

Plate No. 5 shows a tangled net of electric wires, of many kinds, that should be carefully separated from each other. There are electric light and power wires, telegraph and telephone, signal, burglar alarm and other wires. Near the ceiling, to the right, and extending to the middle of the plate, is a row of fuse boxes, designed to prevent currents of large volume or high potential from entering beyond them from the outside; but should the insulating covering of these wires fail from any cause, such currents might pass from the high potential wires within the building over the low poten-

tial wires, regardless of the fusible wires placed therein. In such an event the damage that might result therefrom cannot be estimated.

Plate No. 6. This illustrates the method of making service connections from the underground conductors. At the left of the window is the wrought-iron stand pipe, through which the lead-covered cables, four in number, are drawn; these are connected to wires that lead to the cut-out switches that are placed just above the window; from the one on the left, a pair of wires are led to a transformer not shown in the plate. From the one on the right is led a pair of arc-light wires to supply light in one or more stores. The pair of wires just above the railing "B," are what is known as secondary conductors, leading from the transformer before mentioned to one of the stores for the purpose of supplying incandescent lights.

This is the point where James H. Hughes lost his life on the night of September, 1896, while attempting to ascend or descend from the roof of the porch leading from Music Hall, which can be seen on the left of the plate.

To assist in his movements he must have grasped the wire at the point "A" with one hand, and the iron railing with the other; this railing was connected to "ground" by means of the tin roof and a lightning rod resting on it, and as the insulation on the coupling was greatly weakened by a number of persons who passed up and down here previously, it gave way when he grasped it, bringing his hand in contact with the screw-heads of the coupling, and the current at a pressure of 2,000 volts passed through his body to the railing, and from there to the ground, killing him almost instantly, no doubt.

Plate No. 7. This shows the building of the Pope Manufacturing Company, on Columbus avenue, as it appeared after the fire that nearly destroyed it. This picture shows clearly how effectually the poles and wires foiled the efforts of the Fire Department to reach the fire in the upper stories by means of ladders thrown up from Columbus avenue or Stanhope street; not being able to do that they were obliged to direct their streams into all the windows above the first story, from the streets, but these streams were broken into fine spray before they reached the fire and proved of but little value. Had the department been able to use ladders, the fire, instead of practically destroying the fine building, would have been quickly brought under control, and the damage resulting therefrom would have been quite small.

Plates Nos. 8 to 10, inclusive, give views of different styles of roof construction.

Plate No. 8 gives two views of a structure that supports nearly all classes of electric wires. On it is also a transformer and cut-out switches. The right-hand view shows it enveloped in steam from the exhaust steam pipe shown at the right of the fixture; this steam soon destroys the little insulating properties contained in the covering of the wire, and reduces the insulation of the wooden structure, also, that has been set on fire by the current several times; it is also very unsafe for linemen in the performance of their duties to go on this fixture.

Plates Nos. 11, 12 and 13 give views of streets containing poles, wires and fixtures, just outside the prescribed underground district.

Plate No. 14 gives views on Harrison avenue outside and inside the prescribed district.

Plates Nos. 15, 16 and 17 give views within the prescribed district.

Plate No. 18 illustrates one of the methods adopted in drawing cables into the ducts from one manhole to another.

INSULATED ARC LAMP POLES.

Insulation tests have been made of arc light poles to be used for street lighting until one was submitted that met the requirements of this department. These tests proved conclusively that the poles that offer the greatest amount of insulation resistance are those made entirely of wood, securely closed at the top to protect the conductors from rain, snow, and wide variations in the state of the atmosphere; the next best consists of an iron base, the upper portion being of wood, and securely closed as in the case of those made entirely of that material.

During the past year there has been about 179 insulated poles erected, twenty of which were wooden, the remainder being a combination of wood and iron.

Yours very truly,

THOMAS W. FLOOD,

Commissioner of Wires.

STATEMENT OF DEPARTMENT APPROPRIATION
AND EXPENDITURES, FROM FEBRUARY 1,
1896, TO JANUARY 31, 1897.

Amount of appropriation \$50,000 00

Amount of expenditures :

Salaries :

Commissioner . \$5,000 00

Employees . 38,924 08

\$43,924 08

Horse keeping, shoeing, etc. . 1,033 03

Stationery, periodicals, etc. . 657 22

Printing 668 63

Travelling expenses, car fares, etc., 590 73

Instruments, tools, etc. . . 592 93

Telephone service . . . 421 17

Advertising 59 40

Badges 23 75

47,970 94

Unexpended balance \$2,029 06

LIST OF PROPERTY OF THE WIRE DEPARTMENT.

- 1 Test Board, capacity 220 volts and 300 amperes.
- 1 Auxiliary Test Board, capacity 220 volts and 150 amperes.
- 1 Auxiliary Test Board, capacity 220 volts and 75 amperes.
- 1 Weston Direct Reading Voltmeter, No. 3,317, 300 volts.
- 1 Weston Direct Reading Voltmeter, No. 4,747, 15 volts.
- 1 Weston Direct Reading Ammeter, No. 926, 150 amperes.
- 1 Weston Direct Reading Voltmeter, No. 3,438, 1,500 volts.
- 1 Weston Direct Reading Mil-Ammeter, No. 2,433, 1,500 mil-am.
- 1 Weston Direct Reading Voltmeter, No. 6,020, 300 volts.
- 1 Weston Direct Reading Ammeter, No. 2,428, 500 amperes.
- 1 Standard Portable Alternating and Direct Current Voltmeter, No. 1,044, 300 volts.
- 1 Reflecting Galvanometer, Condenser, Telescope, Scales, etc.
- 2 Bichloride of Silver Batteries, 150 cell and 60 cell.
- 1 Queen Testing Set, No. 389.
- 1 Weston Direct Reading Ammeter, No. 2,381, 50 amperes.

- 1 Generator, 50,000 ohms.
- 1 Discharge Key.
- 1 Reversing Key.
- 1 Lamp Stand and Scale.
- 1 Shunt Coil.
- 1 Set Double Connector Posts.
- 1 Set Standard Resistance Coils.
- 3 Horses.
- 2 Express Wagons.
- 1 Business Wagon.
- 1 Buggy.
- 1 Sleigh.
- 4 Sets of Harness.
- 3 Robes.
- 10 Blankets.

Miscellaneous tools used in connection with overhead construction.

Draughting instruments.

There are on file in this office, plans showing all pole locations in the city of Boston; also plans of the electrical subways.

The photographic apparatus consists of two cameras, one wide angle lens, developing, printing and toning outfits complete; in connection with the same there is a valuable collection of photographs, showing streets before and after being cleared of poles and wires; also views of crowded fixtures, fires, accidents, etc.

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